

Simple tutorial for Indico

Prepared for: Residents at the turtle island

Prepared by: 黃一平 (Yi-Ping Huang)

September 7, 2023

註冊INDICO帳號

1. 點右上角login後，按 “create one here”

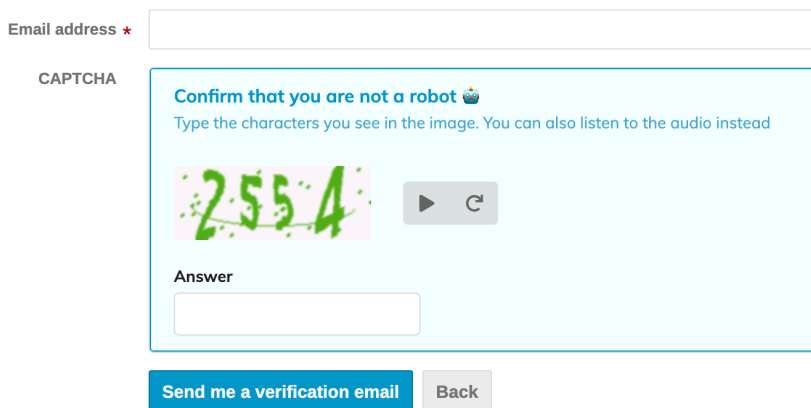


The image shows the Indico login page. At the top is the Indico logo. Below it are two input fields for 'Username' and 'Password'. To the right of the password field is a link that says 'Forgot my password'. Below these is a button labeled 'Login with Indico'. Underneath the button, there is a line of text: 'If you do not have an Indico account yet, you can create one here.' The phrase 'create one here.' is circled in red.

2. 輸入email，確認自己不是機器人。然後去信箱收信，輸入自己相關資訊並且設定自己的帳號密碼，啟動自己的帳號。強烈建議使用學校的信箱，並且輸入完整訊息。建議輸入英文名字，因為indico中文的支援能力不明，希望可以避免遇到奇怪的bug。

Create a new Indico profile

To create a new Indico profile you first need to verify your email address.



The image shows the 'Create a new Indico profile' page. It starts with a text prompt: 'To create a new Indico profile you first need to verify your email address.' Below this is an 'Email address *' field. Underneath is a 'CAPTCHA' section. The CAPTCHA area has a title 'Confirm that you are not a robot' and a sub-instruction 'Type the characters you see in the image. You can also listen to the audio instead'. It features an image of the numbers '2554' with a play button and a refresh icon. Below the image is an 'Answer' field. At the bottom of the CAPTCHA area are two buttons: 'Send me a verification email' and 'Back'.

上傳題目及摘要

1. 登入帳號後，按下 submit new abstract

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- Paper Peer Reviewing
- Reviewing Area
- Judging Area
- Editing
- Papers
- Registration

Call for Abstracts

Opening day

Sep 7, 2023, 12:18 PM

Submission deadline

No deadline

請上傳一個海報的pdf檔，檔案大小須小於50MB。
 可以試著錄一個5~10分鐘的影片，簡介自己的海報，並且上傳到youtube。並在自己的海報相關資料中提供連結。

The call for abstracts is open
Submit new abstract

You can submit an abstract for reviewing.

2. 輸入摘要資訊：

- 可以打Latex，下方有預覽的摘要。
- 加入自己“Add myself”並在後面的麥克風點一下，註明自己是講者。
- 可以手動加入其他合作者。（Enter manually）

Submit new abstract

Title *

Content *

B *I* | | |

We consider a class of d - and f -electron systems in which dipolar-octupolar Kramers doublets arise on the sites of the pyrochlore lattice. For such doublets, two components of the pseudospin transform like a magnetic dipole, while the other transforms like a component of the magnetic octupole tensor. Based on a symmetry analysis, we construct and study models of dipolar-octupolar doublets in itinerant and localized limits. In both limits, the resulting models are of surprisingly simple form. In the itinerant limit, we find topological insulating behavior. In the localized limit, the most general nearest-neighbor spin model is the XYZ model. We show that this XYZ model exhibits two distinct quantum spin ice (QSI) phases, that we dub dipolar QSI, and octupolar QSI. We conclude with a discussion of potential relevance to real material systems.

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Authors *

Authors

yphuang@phys.nthu.edu.tw (National Tsing Hua University) Author Co-author

Add myself

Comments

手動輸入其他合作者時，需要提供email。

Enter Person

Title: Prof x Affiliation: University of Colorado Boulder

First Name: Michael Family Name: Hermele

Email: First.Last@colorado.edu

Address: Telephone:

Save Cancel

輸入完以後請調整作者順序。預設是根據字母順序。所以我們要點掉那個綠色的按鈕。

Authors *

Authors

- Michael Hermele
First.Last@colorado.edu (University of Colorado Boulder)
Author Co-author [edit] [delete]
- yphuang@phys.nthu.edu.tw (National Tsing Hua University)
Author Co-author [edit] [delete]

↓↑ Add myself Search Enter manually

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Authors *

Authors

- yphuang@phys.nthu.edu.tw (National Tsing Hua University)
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Authors *

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- yphuang@phys.nthu.edu.tw (National Tsing Hua University)
- Michael Hermele (University of Colorado Boulder)

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Overview

Scientific Program

Call for Abstracts

Timetable

Registration

Call for Abstracts

Opening day: Sep 7, 2023, 12:18 PM

Submission deadline: No deadline

The call for abstracts is open. You can submit an abstract for reviewing. [Submit new abstract](#)

My abstracts

1. $U(1)$ quantum spin liquids and topological phases from dipolar-octupolar doublets on the pyrochlore lattice

Yi-Ping Huang (National Tsing Hua U.)

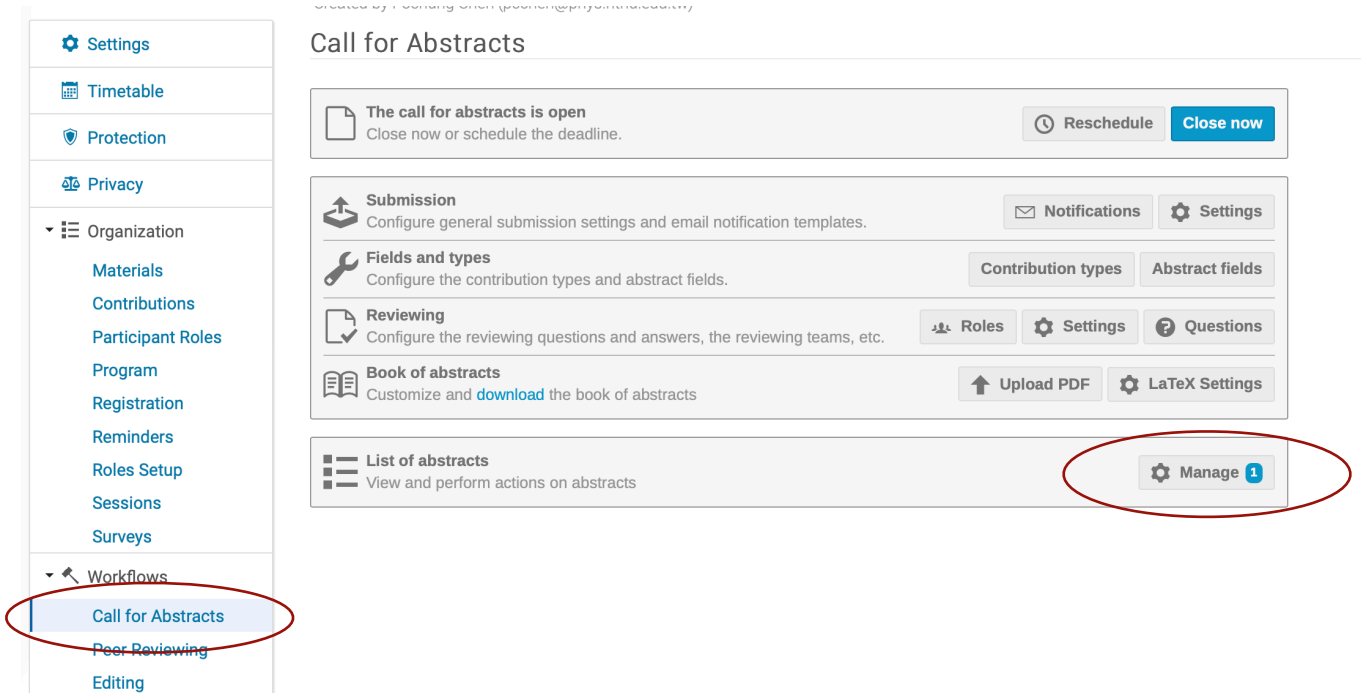
Last modified: Sep 8, 2023

Submitted

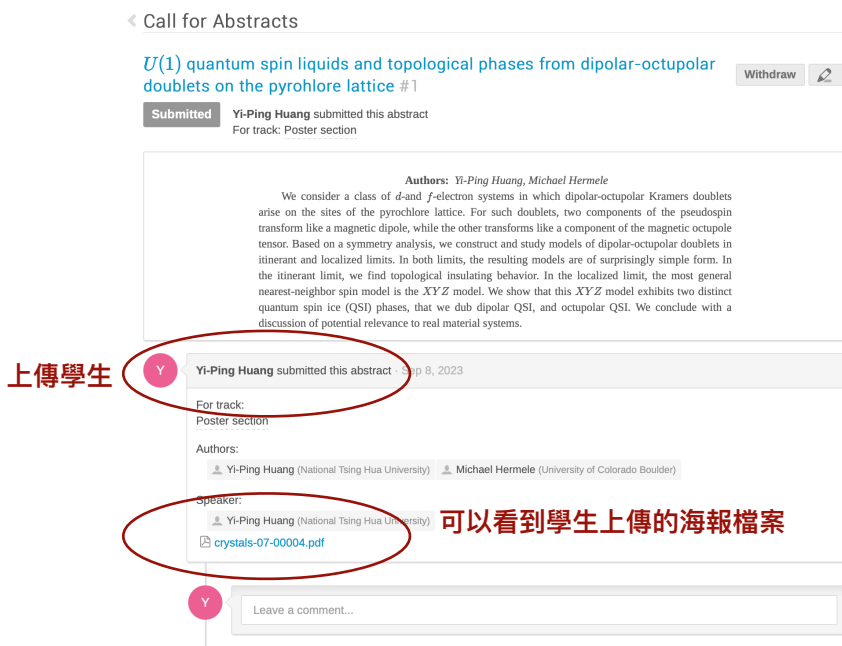
We consider a class of d - and f -electron systems in which dipolar-octupolar Kramers doublets arise on the sites of the pyrochlore lattice. For such doublets, two components of the pseudospin transform like a magnetic dipole, while the other transforms like a component of the magnetic octupole tensor. Based on a symmetry analysis, we construct and

審核題目及摘要

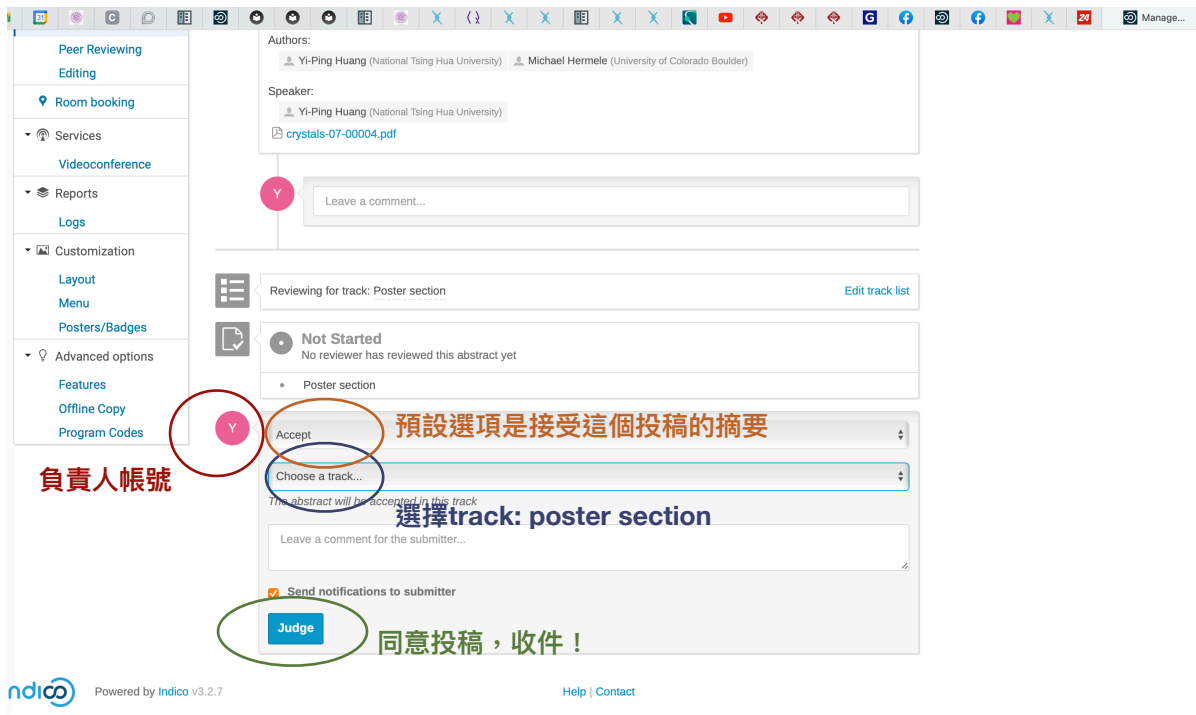
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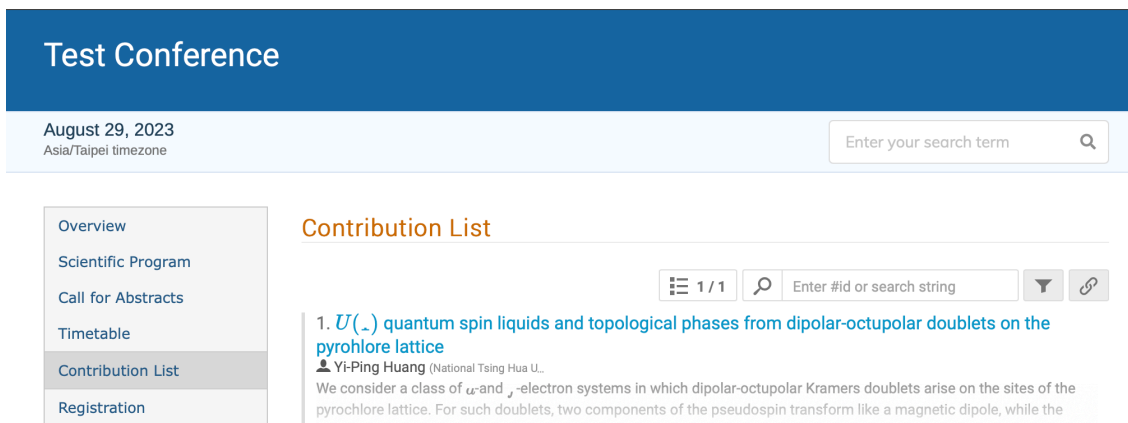
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選擇是否接受這個投稿的摘要。選擇poster section這個track。然後按下Judge。



3. 收件後，在網頁的contribution list中將會看到學生的投稿。



4. 點入之後會有詳細資訊。老師可以在網頁下方的 Presentation material查看海報資訊。

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$U(1)$ quantum spin liquids and topological phases from dipolar-octupolar doublets on the pyrochlore lattice

📅 Not scheduled
🕒 20m

Speaker

👤 Yi-Ping Huang (National Tsing Hua U.)

Description

We consider a class of d - and f -electron systems in which dipolar-octupolar Kramers doublets arise on the sites of the pyrochlore lattice. For such doublets, two components of the pseudospin transform like a magnetic dipole, while the other transforms like a component of the magnetic octupole tensor. Based on a symmetry analysis, we construct and study models of dipolar-octupolar doublets in itinerant and localized limits. In both limits, the resulting models are of surprisingly simple form. In the itinerant limit, we find topological insulating behavior. In the localized limit, the most general nearest-neighbor spin model is the XYZ model. We show that this XYZ model exhibits two distinct quantum spin ice (QSI) phases, that we dub dipolar QSI, and octupolar QSI. We conclude with a discussion of potential relevance to real material systems.

Primary authors

👤 Yi-Ping Huang (National Tsing Hua U.)
👤 Prof. Michael Hermele (University of Colorado.)

📎 Presentation materials

📄 crystals-07-00004.pdf 🔒

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$U(1)$ quantum spin liquids and topological phases from dipolar-octupolar doublets on the pyrochlore lattice

Not scheduled
20m
Poster section

Speaker

Yi-Ping Huang (National Tsing Hua U.)

Description

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Primary authors

Yi-Ping Huang (National Tsing Hua U.)
Prof. Michael Hermele (University of Colorad...)

Presentation materials

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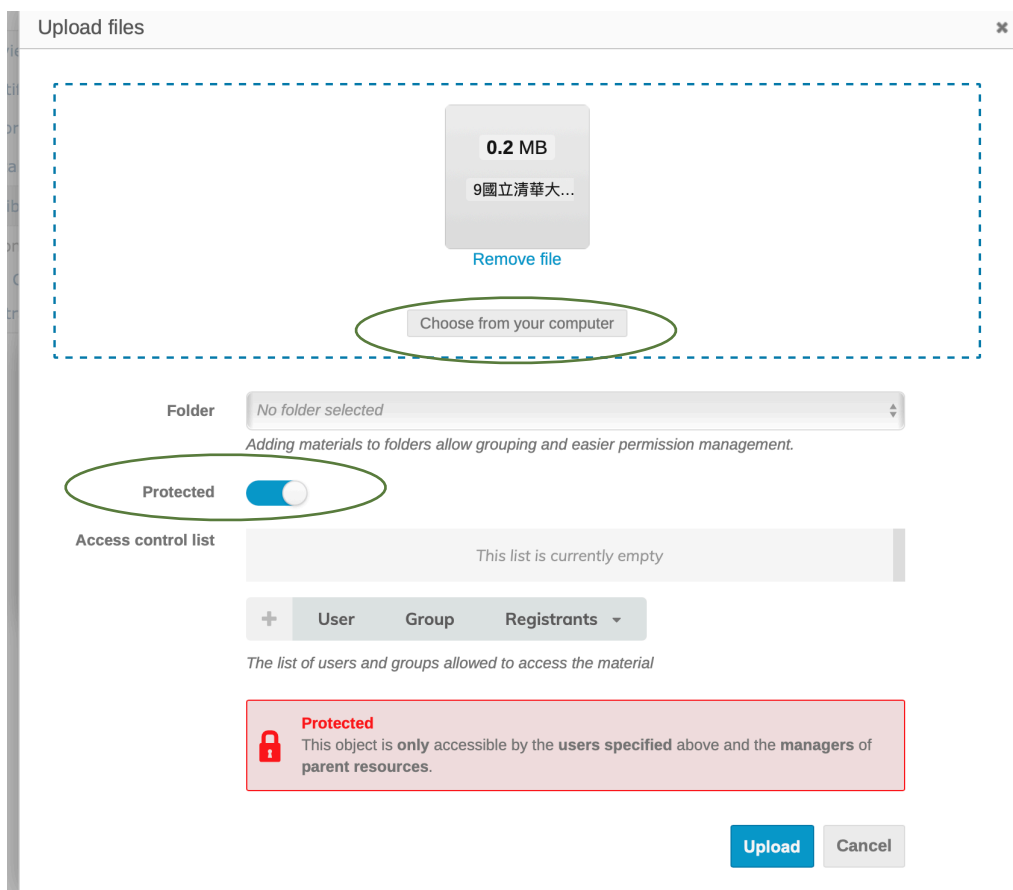
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