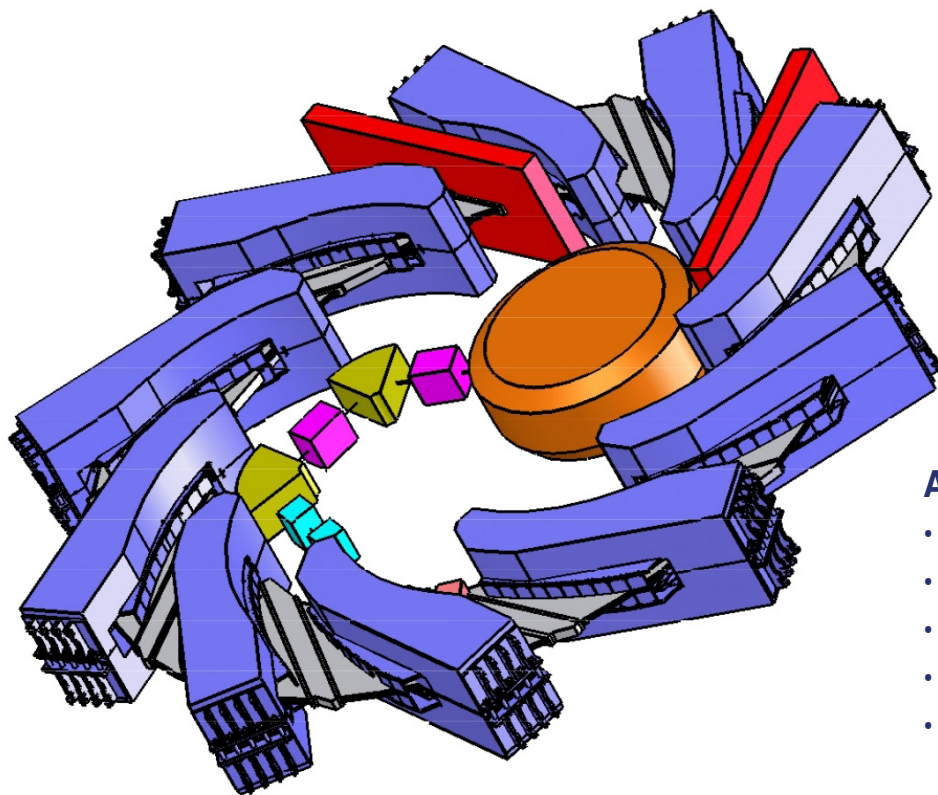


Zgoubi Workshop



Accelerator Concepts Covered:

- Electron Ion Colliders
- Fixed-Field Accelerators
- Energy Recovering Linacs
- Medical Synchrotrons
- More

WORKSHOP INFO

TALKS

Days begin with presentations on current applications of Zgoubi by industry and academic researchers.

TUTORIALS

Afternoons offer hands-on tutorials using Zgoubi code based on the morning talks.

DATES

August 26-30, 2019

LOCATION

Boulder Inn
770 28th St,
Boulder, CO 80303

ZGOUBI FOR THE NEW CENTURY

The goal of the Zgoubi Workshop is to promote the exchange of knowledge about the Zgoubi code. Presentations on important scientific applications will motivate the associated practical tutorials. Bringing together both developers and scientist users allows for coordinated development, leveraging expertise from both groups and resulting in new tools and interfaces having consistent approaches.

The particle tracking code Zgoubi evolved from a tool for modeling spectrometers in 1972 to what it is today: one of the most complete single-particle dynamics codes. Used by labs worldwide for a wide range of particle accelerator modeling tasks, Zgoubi is especially valued for studies of polarization in electron-ion colliders, as well as for studies of the complex dynamics in fixed-field accelerators (FFAs) and medical synchrotrons.

Organizing Committee:

- Dan Abell (Chair)
- David Bruhwiler
- Cedric Hernalsteens
- Kiel Hock
- David Kelliher
- Fanglei Lin
- François Méot
- Boaz Nash
- Yuhong Zhang

Sponsored by:



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