



## **Workshop on High Energy Density Physics with BELLA-i**

**Lawrence Berkeley National Laboratory  
January 20 – 22, 2016**

The goal of the BELLA-i workshop is to identify exciting opportunities for high energy density physics at the proposed BELLA-i collaborative research facility.

### **Topic Areas**

The workshop agenda will be structured along the following working group topics:

1. Physics and technology of laser driven ion acceleration
2. High harmonic and other secondary beam generation
3. High field physics and high power laser - matter interactions
4. Facilities

Working group leaders will facilitate the discussions and coordinate input for a brief workshop report. Tours of the BELLA center and other Berkeley Lab facilities will be offered on Jan 22.

### **Invited Speakers**

- Felicie Albert, Lawrence Livermore National Laboratory
- Farhat Beg, University of California, San Diego
- Lee Bernstein, University of California, Berkeley, and LLNL (to be confirmed)
- Marco Borghesi, Queen's University Belfast
- Pablo Cirrone, Istituto Nazionale di Fisica Nucleare, Frascati
- Tom Cowan, Helmholtz Zentrum Dresden Rossendorf (to be confirmed)
- Juan Fernandez, Los Alamos National Laboratory (to be confirmed)
- B. Manuel Hegelich, University of Texas, Austin
- Edison Liang, Rice University
- Markus Roth, Technical University Darmstadt
- Ulrich Schramm, Helmholtz Zentrum Dresden Rossendorf (to be confirmed)
- Jörg Schreiber, Ludwig Maximilian University, München (to be confirmed)
- Douglas Schumacher, Ohio State University (to be confirmed)
- Alec Thomas, University of Michigan
- Matt Zepf, Helmholtz-Institut Jena

Please register at: <https://conferences.lbl.gov/event/58/> and please indicate if you would like to contribute a talk with your perspective on science opportunities with BELLA-i.

The deadline is Jan. 05, 2016.

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