

**Session Program**

**27-31 Aug 2018**

**23rd Geant4 Collaboration Meeting**

***Parallel 3B - Near-term kernel developments***

# Tuesday 28 August

14:00

## Parallel 3B - Near-term kernel developments

**Session** | **Location:** Lund University | **Conveners:** Gabriele Cosmo, Makoto Asai

### 14:00-14:12 Sub-event parallelism

**Speaker**

Makoto Asai

14:12-14:24

### Unified tracking mechanism for exotic particles (ions, muonic atoms, radicals, hyper-nuclear, phonon, e/h)

**Speakers**

Makoto Asai, Hisaya Kurashige

14:24-14:36

### Revisit / retreat production thresholds and physics process framework

**Speaker**

Marc Verderi

14:36-14:48

### Refactoring transportation

**Speakers**

Makoto Asai, Gabriele Cosmo

14:48-15:00

### Use of HPC

**Speaker**

Jonathan Madsen

15:00-15:12

### Extending crystal structure capabilities

**Speaker**

Enrico Bagli

15:12-15:24

### TiMemory performance monitoring

**Speaker**

Jonathan Madsen

15:24-15:30

### Open discussion

15:30