

**Session Program**

**23-27 Sept 2019**

**24th Geant4 Collaboration Meeting**

***Parallel 5B - Medium- and longer-term R&Ds***

Jefferson Lab, F113

# Thursday 26 September

09:00

## Parallel 5B - Medium- and longer-term R&Ds

**Session** | **Location:** Jefferson Lab, L102 | **Conveners:** Witold Pokorski, Dr Jonathan Madsen

**09:00–09:05** **Geant4 Task Force for R&Ds**

**Speakers**

Jonathan Madsen, Witold Pokorski

**09:05–09:20** **Geant Exascale pilot**

**Speaker**

Jonathan Madsen

**09:20–09:35** **Making Geant4 stepping stateless**

**Speakers**

Andrei Gheata, Witold Pokorski

**09:35–09:50** **Geant4 Tasking model**

**Speaker**

Jonathan Madsen

**09:50–10:05** **VectorFlow framework**

**Speaker**

Andrei Gheata

**10:05–10:20** **Machine Learning-based fast simulation framework**

**Speaker**

Ioana Ifrim

**10:20–10:30** **Discussion**

10:30