

Session Program

Mar 25 - 29, 2024

Geant4 tutorial course

Tutorial

Jefferson Lab, CEBAF Center room F113

Mon, March 25

9:30 AM

Tutorial

Session | **Location:** Jefferson Lab, CEBAF Center room F113

9:30 - 9:45 AM **Welcome and tutorial introduction**

Speakers

Amber Boehnlein, Dr Makoto Asai

9:45 - 10:15 AM **Introduction to detector simulation**

Speaker

Dennis Wright

10:15 - 11:00 AM **Kernel 1**

Speaker

Dr Makoto Asai

11:00 AM

11:20 AM

Tutorial

Session | **Location:** Jefferson Lab, CEBAF Center room F113

11:20 AM - 12:00 PM **User documents and examples**

Speaker

Dennis Wright

12:00 - 12:30 PM **User interface 1**

Speaker

Dr Makoto Asai

12:30 PM

1:30 PM

Tutorial

Session | **Location:** Jefferson Lab, CEBAF Center room F113

1:30 - 2:00 PM **Physics overview 1**

Speaker

Dennis Wright

2:00 - 2:30 PM **Physics overview 2**

Speaker

Mihaly Novak

2:30 - 3:00 PM **Visualization**

Speaker

Maurizio Ungaro

3:00 PM

Tue, March 26

9:00 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>9:00 – 9:30 AM Material definition Speaker Mihaly Novak</p> <p>9:30 – 10:30 AM Geometry 1 Speaker Dr Makoto Asai</p>
10:30 AM	
10:50 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>10:50 – 11:50 AM Geometry 2 Speaker Dr Makoto Asai</p> <p>11:50 AM – 12:20 PM Analysis Speaker Maurizio Ungaro</p>
12:20 PM	
1:30 PM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>1:30 – 2:00 PM Scoring 1 Speaker Dr Makoto Asai</p> <p>2:00 – 2:30 PM Physics overview 3 Speaker Dennis Wright</p> <p>2:30 – 3:00 PM Primary particle Speaker Dr Makoto Asai</p>
3:00 PM	

Wed, March 27

9:00 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>9:00 – 9:30 AM Geometry 3 Speaker Dennis Wright</p> <p>9:30 – 10:30 AM EM physics 1 Speaker Mihaly Novak</p>
10:30 AM	
10:50 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>10:50 – 11:40 AM EM physics 2 Speaker Mihaly Novak</p> <p>11:40 AM – 12:20 PM Hadronic physics 1 Speaker Maurizio Ungaro</p>
12:20 PM	
1:30 PM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>1:30 – 2:15 PM Hadronic physics 2 Speaker Dennis Wright</p> <p>2:15 – 3:00 PM Scoring 2 Speaker Dr Makoto Asai</p>
3:00 PM	

Thu, March 28

9:00 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>9:00 – 9:40 AM User interface 2 Speaker Dr Makoto Asai</p> <p>9:40 – 10:10 AM Hadronic physics 3 Speaker Dennis Wright</p> <p>10:10 – 10:40 AM Geometry 4 Speaker Dr Makoto Asai</p>
10:40 AM	
11:00 AM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>11:00 – 11:40 AM Event Biasing and Fast Simulation Speaker Dennis Wright</p> <p>11:40 AM – 12:20 PM Kernel 2 Speaker Dr Makoto Asai</p>
12:20 PM	
3:30 PM	<p>Tutorial Session Location: Jefferson Lab, CEBAF Center room F113</p> <p>3:30 – 4:10 PM Choosing physics list Speaker Mihaly Novak</p> <p>4:10 – 4:40 PM Multithreading and heterogeneous computing Speaker Dr Makoto Asai</p> <p>4:40 – 4:55 PM Updating Geant4 installation Speaker Maurizio Ungaro</p> <p>4:55 – 5:00 PM Concluding remarks Speaker Dr Makoto Asai</p>
5:00 PM	