

Welcome!

史欣



2024年7月22日

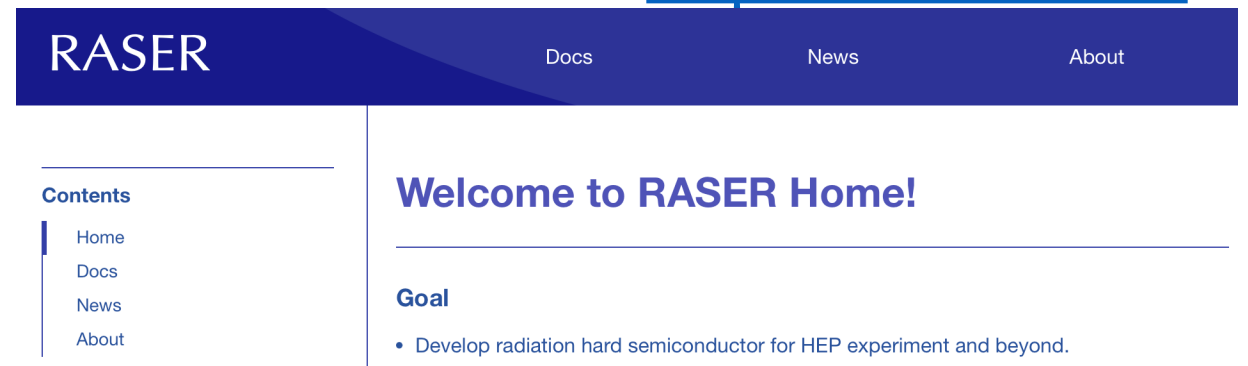
RASER Workshop 2024

RASER – RAdiation SEmiconductor

- 团队目标： 研发用于高能物理及其他领域的抗辐照半导体探测器
- 正式成立： 2022.11.14
- 成员单位： 高能所、吉林大学、山东高研院、辽宁大学、兰州大学、南京大学、大连理工大学、中山大学、上海科技大学等
 - 来自全国的**本科生**是重要的组成部分！

<https://raser.team>

- 主体架构
 - RASER / 器件与探测器仿真程序
 - SICAR / 碳化硅器件研制
 - TRACK / 触发与数据获取系统



RASER - SICAR - TRACK

- RASER (**RA**diation **SE**miconducto**R**): Device and Detector simulation
- SICAR (**SI**licon **CAR**bide): SiC Device for MIPs detection
- TRACK (**TR**igger and data **AC**quisition **KIT**): Readout solution

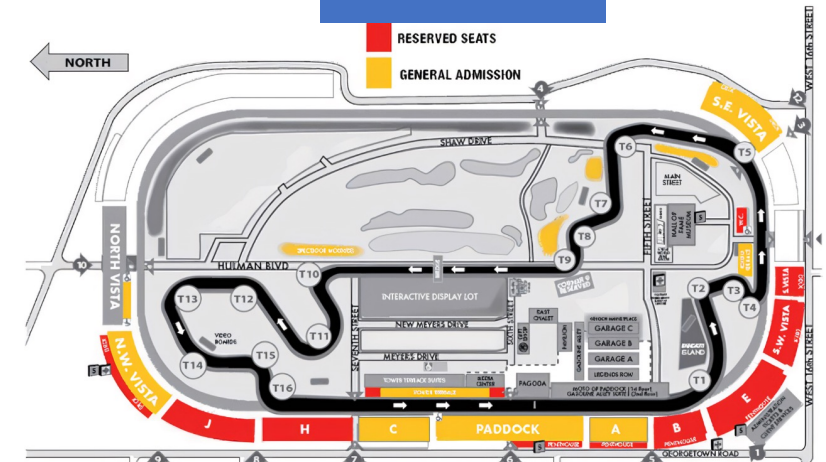
RASER



SICAR




TRACK



第一届 RASER Workshop 2024

- <https://indico.ihep.ac.cn/event/22967/>
- 面向国内的研究所以及高校，扩大用户群体
- 共同开发国产开源软件平台

感谢培训团队！ 欢迎合作开发！

MONDAY, JULY 22		TUESDAY, JULY 23		WEDNESDAY, JULY 24		
8:00 PM	→ 8:15 PM	8:00 PM	→ 8:20 PM	8:00 PM	→ 8:20 PM	
Welcome		Semiconductor Detector		Electronics Simulation ¶		
Speaker: Xin Shi (IHEP)		Speaker: Xin Shi (IHEP)		Speaker: Yanpeng Li		
8:15 PM	→ 8:35 PM	8:20 PM	→ 8:40 PM	8:20 PM	→ 8:40 PM	
RASER Program Overview		Semiconductor Detector Simulation		Timing Simulation		
Speaker: Suyu Xiao (山东高等技术研究院)		Speaker: Chenxi Fu		Speaker: 科琪王 (高能所)		
		8:40 PM		→ 9:00 PM	Position Simulation	
		→ 9:00 PM		Speaker: Jiaqi Zhou (Jilin University)		
Semiconductor Device Simulation		Charge Collection Simulation		9:00 PM		→ 9:50 PM
Speaker: Lin Zhu (IAT)		Speaker: 科琪王 (高能所)		Q&A Practice Session		
9:00 PM	→ 9:20 PM	9:00 PM		→ 9:50 PM		
Computing Basics		Q&A Practice Session				
Speaker: Yebo Chen (IHEP)						
						
9:20 PM	→ 9:50 PM					
Hand-On Practice						

"The greater danger for most of us lies not in setting our aim too high and falling short; but in setting our aim too low, and achieving our mark" *(Michelangelo)*

Aim high or we will not realize the potential of our field, discovery will be stalled and we betray ourselves and the next generation.

Photo credit: Michael Hoch/CERN