

CEPC Software and Web Status

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New Release Version 0.1.0-rc7

- Add MokkaC 0.1.1
- Add Arbor 3.2.1
- Add HepMC, used by MokkaC

CEPC Software Name

- CERES by Manqi

刻瑞斯 (罗马神话) [编辑]

维基百科，自由的百科全书

刻瑞斯^[1]（拉丁文：Ceres）又一音瑟雷斯，是罗马神话中的神祇，和希腊神话的狄蜜特相对应，为萨图尔努斯和俄普斯的女儿，朱庇特的妹妹，普洛塞庇娜的母亲，朱诺、维斯塔、涅普顿和普路托的兄弟姐妹，以及西西里岛的守护神。

拉丁语中的“谷物”一词来源于她。Ceres也是意大利天文学家皮亚齐所发现的第一颗小行星（谷神星）的名字。

参考文献 [编辑]

1. ^ 《大英百科全书》



刻瑞斯的雕像

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- **Introduction**

- CEPC Physics (曼奇) ✓
- CEPC Detectors (成栋+航+永峰) ✓
- CEPC Software (曼奇) ✓

- **Installation and Quick Start** (祥虎)

- Quick Start ✓
- Install CEPC Software ✓
- CEPC Software on CVMFS ✓
- Docker Image ✓
- CEPCEnv ✓

- **Software Architecture** (曼奇, 成栋)

- Software general description ✓
- Software Architecture ✓
- Packages ✓
- Software Framework (not added)
- Event Display (永峰) ✓

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- **Events Generation** (刚, 曼奇)
 - Introduction ✓
 - Samples ✓
 - Customized ✓
- **Simulation** (成栋)
 - Fast Simulation (not added)
 - Full Simulation ✓
- **Digitization** (明锐, 志刚, 航) (need more details)
- **Tracking** (明锐, 成栋) (need improvement)
 - CEPC Tracking
 - Software
 - Sample
 - Performance
 - Tools

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- **PFA** (曼奇 + 航) (not added)
 - CEPC Particle Flow Algorithm
 - demo1
 - demo2
- **Performance** (刚, 航, 丹) (need improvement, structure)
 - Introduction
 - Reconstruction ✓
 - FSClassifier
 - Photons
 - Leptons
 - Taus
 - Jet Clustering + VTX finder + Jet Flavor tagging
- **Analysis Examples** (浩) ✓
 - Introduction ✓
 - $\nu\nu H, H \rightarrow di$ photon Analysis ✓
 - $\nu\nu H, H \rightarrow di$ muon Analysis ✓
 - $\nu\nu H, H \rightarrow di$ W Analysis ✓
 - Recoil Mass of Leptons from Z ✓
 - W/Z classification (永峰) ✓