

# What other Geant4 physics lists does SLIC support

The command `/physics/printLists` displays the available Geant4 physics lists along with a description.

For `slc v2r5p3`, this results in the following.

```
PreInit> /physics/printLists

----GEANT4 PHYSICS LISTS----
```

NAME	DESCRIPTION
FTFC	Fritiof with CHIPS
FTFP	Fritiof with precompound
FTFP_BERT	FTFP with Bertini Cascade
FTF_BIC	FTF with new Bertini developments
LBE	Low backgrounds experiment with low energy EM
LCPhys	ILC Physics List by Dennis Wright.
LHEP	Low and High Energy Parameterised
LHEP_BERT	LHEP with Bertini Cascade
LHEP_BERT_HP	LHEP with Bertini Cascade and high precision neutrons
LHEP_EMV	LHEP with v 7.1 EM processes
LHEP_PRECO_HP	LHEP_PRECO with HP
QBBC	Uses best cross section data within QGSP
QGSC	Quark Gluon-String (QGS) with CHIPS
QGSC_BERT	QGSC with Bertini Cascade
QGSC_EFLOW	QGSC using energy flow methods from CHIPS model
QGSC_EMV	QGSC with v 7.1 EM processes
QGSP	QGS with precompound
QGSP_BERT	QGSP with Bertini Cascade
QGSP_BERT_DIF	QGSP_BERT with CHIPS diffractive scattering
QGSP_BERT_EMV	QGSP_BERT with v 7.1 EM processes
QGSP_BERT_HP	QGSP with Bertini Cascade and high precision neutrons
QGSP_BERT_NQE	QGSP_BERT with quasi-elastic processes removed
QGSP_BERT_TRV	QGSP_BERT with transition to Bertini at 5 GeV
QGSP_BIC	QGSP with Binary Cascade
QGSP_BIC_HP	QGSP with Binary Cascade
QGSP_DIF	QGSP with CHIPS diffractive scattering
QGSP_EMV	LHEP with v 7.1 EM processes
QGSP_EMV_NQE	QGSP with v 7.1 EM processes and quasi-elastic processes removed
QGSP_EMX	QGSP with v 7.2 EM processes
QGSP_NQE	QGSP with quasi-elastic processes removed
QGSP_QEL	QGSP with elastic cross sections and model from CHIPS
QGS_BIC	QGS with new Bertini developments