

Prototyping an HEP Ontology Using Protégé

Monday, 13 February 2006 14:00 (20 minutes)

Protégé is a free, open source ontology editor and knowledge-base framework developed at Stanford University (<http://protege.stanford.edu/>). The application is based on Java, is extensible, and provides a foundation for customized knowledge-based and Semantic Web applications. Protégé supports Frames, XML Schema, RDF(S), and OWL. It provides a “plug and play environment” that makes it a flexible base for rapid prototyping and application development. This paper will describe initial efforts and experience using Protégé to develop an HEP/Particle Physics ontology capable of supporting Semantic Web applications in the HEP domain.

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Session Classification: Software Tools and Information Systems

Track Classification: Software Tools and Information Systems