GOALS OF THE SUBGROUP

- Electronic documentation of the evaluation to allow for exact reproduction of an evaluation with minimal effort
  - improve existing evaluation in view of new experiments and/or model improvements
  - prepare ground for eventual consistent-adjustment of the library

Part of a more global vision including traceability, reproducibility, automation, integration, and modernization.
DELIVERABLES

- Design GitLab repository storing everything needed to reproduce evaluation
  - Resonance parameters
  - Experimental data used in the evaluation
  - Code (exact version) along with all necessary inputs
  - Script producing evaluation (including manual changes)
PRESENTATIONS

- Rochman - Introduction, goals reminder, lessons learned from the previous meeting
- Koning - Status of T6 and related software
- Herman/Fleming - Prototype of a 58Fe EMPIRE evaluation
- Michel-Sendis/Foligno - NDS V&V Overview of GitLab project - Phase I
- Schnabel - A computational EXFOR database in JSON: Migration from MongoDB to CouchDB
OVERALL IMPRESSIONS - DECISIVE PUSH FOR MODERNIZATION

- Extensive use of GitLab for versioning
- Use of Docker containers
- CI/CD - Continuous Integration & Deployment for automation and shortening feedback times
- Improving accessibility to data ENDF and EXFOR
- Document-oriented databases (EXFOR)
- Modern communication tools (YAML, JSON?)
- Machine Learning
WHERE WE ARE?

- EMPIRE installed in GitLab including CI
- Docker container runs EMPIRE
- Simple case of Fe58 evaluation stored in GitLab
- First template of README.md file with description of the Fe58 evaluation proposed

WHERE DO WE GO?

- More codes (TALYS, CoH, FUDGE, DICE,...)
- Separate common parts out from the codes (RIPL, PREPRO,...)
- More complicated cases (with scripted ‘manual’ interventions)
- Develop README.md template and GitLab directory structure for storing inputs
- Involve Resonance Region community

More tele-conference meetings targeting specific issues