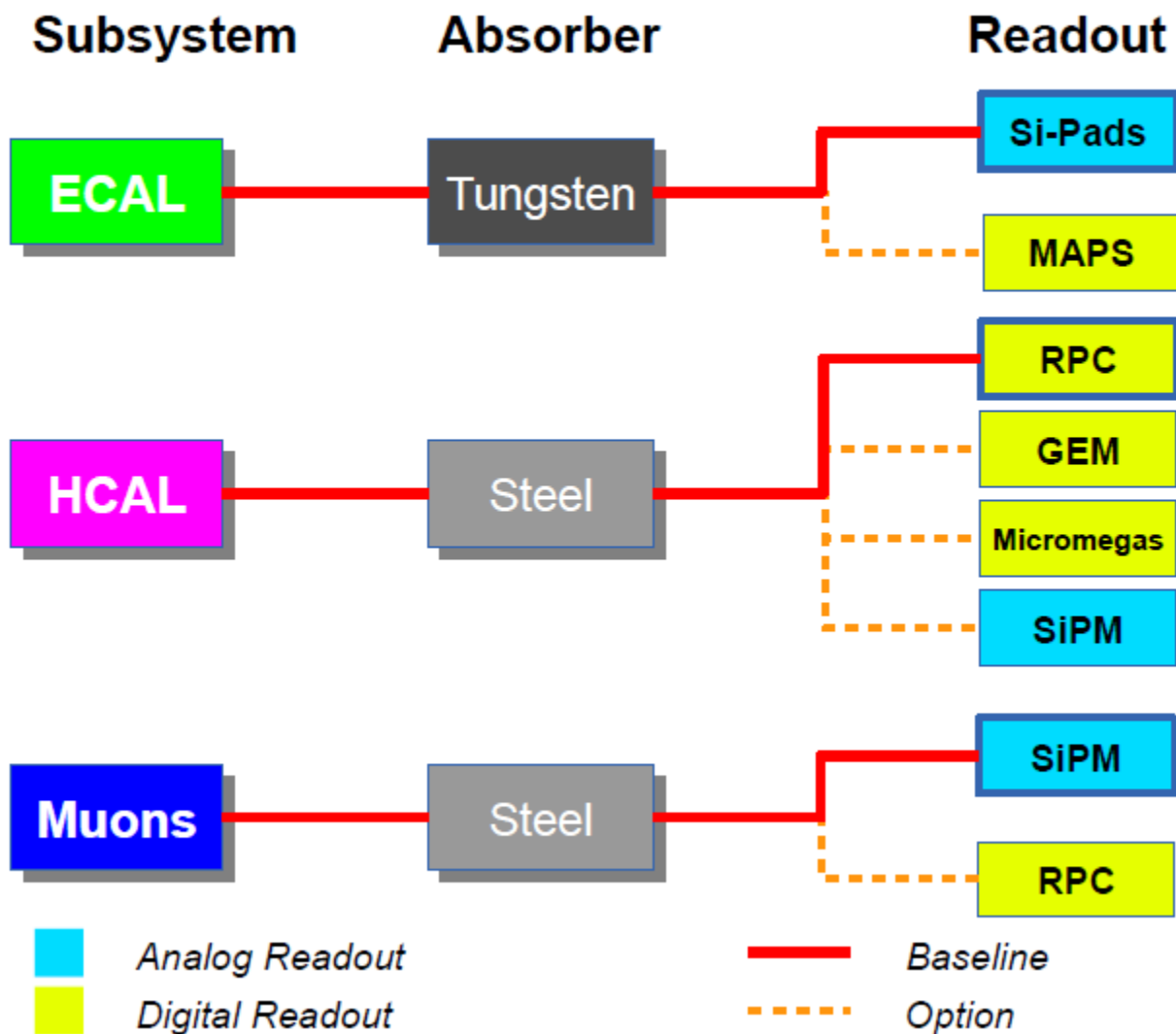


SiD HCAL Baseline Selection

Prepared by Jim and Marty

Calorimetry Tree



M. Breidenbach, J. Brau:

Technical

Performance on PFA (detailed simulation)

Laboratory testing

Viability of calibration procedures, stability, uniformity

Lifetime and reliability

High voltage system, supplies, modularity, cables

Gas system, distribution, safety

Mechanical robustness

Electronic robustness (breakdown mechanisms)

Failure/lifetime mechanisms

Single point failure mechanisms

Possibilities for redundancy

Rate capability??

Feasibility

Maturity of technical approach

Detailed assessments of all components

Cost

Initial cost

Ongoing supplies and maintenance

Political:

Collaboration building/growth/additional countries

Strengths & weaknesses of current or proposed team

Additional (AW)

One technology for all HCAL?

Future development impacting performance/cost?

Repairability?