

Suggestions for Site Selection Process

- EJS, 5-10-3

What EDM Collaboration Provides

1) injected beam properties:

energy

emittance

polarization (+ direction, systematic changes)

intensity

duty factor

2) ring properties:

radius, B+E fields, regulation, tolerances

lattice design

of magnets

focussing

cw/ccw injection

open straights, polarimeters

aperture

vacuum

ramp rates, systematic changes

diagnostics, tilt-meter

environmental control



needed to estimate cost
(not final, but something to
compare with other sites)

What Site Provides:

1) general:

answers to requests for information
what can be provided now, running experience
kind and cost of upgrades

2) site plan:

civil construction, cost to project?
beam line / ring layout, cost
environmental control, shielding
(IUCF) operating expenses

3) management plan

timeline and milestones
other lab projects, priorities
available resources (costs) (timeline)
people and skills
infrastructure (shop, lab space)
construction technologies (magnets, dets.)
in-kind equipment

4) scientific resources

collaborator (faculty) involvement
students / post-docs
available expertise
grant funding profile for EDM
[diversity + public education]