Jefferson Lab

Alignment Tolerances Worksheet

The following defines alignment tolerances for: _____

Where X is horizontal perpendicular to beam direction, Y is vertical and Z is along beam direction.

Tolerances quoted are relative to: _____

> Example: Survey monuments ─ used to position all beam elements
> Incoming beam ─ as defined by what?
> Diagnostics ─ which?

Alignment	*Would like to*	*Must have*	*Known to*
x: (center)	_____mm	_____mm	_____mm
y: (center)	_____mm	_____mm	_____mm
z: (center)	_____mm	_____mm	_____mm
yaw: (about y axis) (e.g. end to end of target cells)	____mrad	____mrad	____mrad
pitch: (about x axis)	____mrad	____mrad	____mrad
roll: (about z axis) (e.g. top to bottom of the ladder)	____mrad	____mrad	____mrad

Other Requirements (e.g. repeatability):

Completed by: _____   Date: _____

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