

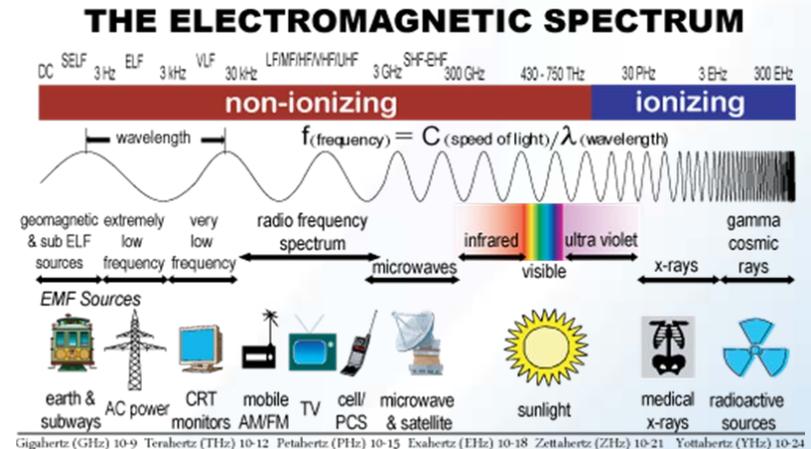
# Take 5 for Safety

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# Non-Ionizing Radiation Assessment Tips

- Most non-ionizing radiation sources at C-AD are associated with the RF systems for the accelerators
- Exposure to rf from accelerating cavities is prevented through the access control system that turns rf systems off when personnel enter the accelerator enclosures
- The design of rf high-power electrical systems includes grounding systems with Kirk-key access to the equipment enclosures, and rf gaskets as part of the power-system doorframes



# Ladder Fall Effectiveness Review Tips

- All fixed ladder users must have taken Ladder Safety training and need to be in adequate physical condition to climb and work at height
- Prior to use of any fixed ladder, the user needs to verify that the ladder has been inspected
- Green Tag: no deficiencies
- Yellow Tag: OK to use with deficiencies work-planned
- Red Tag or No Tag: do not use

Yellow Ladder Caution Posting (Front)

**CAUTION**

LADDER ID: 0480-LDR-01

Ladder Location: Hallway to Roof over TEM

6b Hazard: The passage through the railing is not protected with a swing gate or offset

6a Hazard: The ladder way floor opening or platform is not protected by standard railings on all exposed sides

6a Hazard: The ladder way floor opening or platform is not protected by standard toe board on all exposed sides

4a Hazard: The perpendicular distance from the centerline of the rungs to the nearest permanent object on the climbing side of the ladder is less than 36" for a pitch of 76° and 30" for a pitch of 90°

2d.1 Hazard: Clear width of rungs is less than 16 inches

1e Hazard: Side rails do not have good "grippability"

If ladder conditions are different from the ones identified, do not use the ladder. Notify your supervisor

Highest Hazard

# Facility Risk Assessment Review Tips

- Facility Risk Assessments (FRAs) based on OHSAS 18001 Management System are conducted for specific areas where C-AD personnel operate equipment
- These operational areas are considered “facilities” in OHSAS 18001
- FRAs can be used by workers, planners and job supervisors as a source of information on standard industrial hazards and controls during work planning
- FRAs are linked to the C-AD Safety Assessment Document (SAD) and the link is [http://www.c-ad.bnl.gov/ESSHQ/SND/facility\\_and\\_area\\_risk\\_assessments.htm](http://www.c-ad.bnl.gov/ESSHQ/SND/facility_and_area_risk_assessments.htm)
- Non-standard industrial hazards are analyzed in detail in the C-AD SAD and require Credited Controls
- Know the hazards in your work areas
- Know the applicable regulatory controls for your work areas (e.g., training, safety shoes, long pants and other PPE)

# Picture of the Week - Teamwork

- Is the only safety concern the guy standing on the back of his friend? How many can you find?

