
X ray tube

Device used to produce X rays

Person designing x ray tube

Coolidge

Term for x ray tube

Coolidge tube

List of material structure present at x ray tube

- Glass chamber
- Filament
- Metallic target
- Window
- Coolant

List of activities in production of X rays in x ray tube

- Create potential difference between filament and target
- Create electric field
- Heat filament
- Eject electrons
- Strike target
- Emit Xray

Process of emission of electrons in x ray tube

Thermo ionic emission

Type of potential difference needed in terms of fluctuation in x ray tube

Constant potential difference

Type of circuit needed in terms of fluctuation in x ray tube

DC

Cause of high potential of target compared to filament in x ray tube

Acceleration of electrons

List of materials that do not absorb x rays

- Mica
- Mylar