Will the cobalt bomb trigger solar power generation

What is a cobalt bomb?

A cobalt bomb is a type of "salted bomb":a nuclear weapon designed to produce enhanced amounts of radioactive fallout,intended to contaminate a large area with radioactive material,potentially for the purpose of radiological warfare,mutual assured destruction or as doomsday devices.

What would happen if a cobalt bomb exploded?

If enough of these bombs were exploded,life on Earth would perish. The idea of the cobalt bomb originated with Leo Szilard who publicized it in February 1950,not as a serious proposal for a weapon,but to point out that it would soon be possible in principle to build a single weapon that would kill everyone on earth.

When was a cobalt bomb invented?

The concept of a cobalt bomb was originally described in a radio program by physicist Leó Szilárd on February 26,1950. His intent was not to propose that such a weapon be built,but to show that nuclear weapon technology would soon reach the point where a doomsday device could end human life on Earth.

Are cobalt bombs a weapons of radiological warfare?

After describing the problems with various proposals such as the cobalt bomb,he writes that the problems have been solved "with the development of bombs having high fission energy yields. ...they are,in effect,weapons of radiological warfare. ...

How much radium would a cobalt bomb produce?

These would produce 7.5 tons of radioactive cobalt,equal to nearly 5,000,000 poundsof radium."..."A cobalt bomb,incorporating a ton of deuterium,according to Prof. Harrison Brown,nuclear chemist at the California Institute of Technology,could be set on a north-south line in the Pacific about a thousand miles west of California.

How much radioactive cobalt would a 1 ton Deuterium Bomb produce?

These would produce 7.5 tonsof radioactive cobalt") So if the fractions are the same each 1 ton deuterium cobalt bomb is 500/4 or 1/125 of what Szilard was talking about generating- .48 tons or 480 kg of neutrons per ton of D. (-in other words half the D's weight because what is deuterium but a proton and neutron together in a nucleus?)

Cobalt Energy offers a technical advisory service, providing site assessments and practical advice gained through years of solar and power generation experience. We carry out End of Warranty Period Inspections to identify contractual, ...

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The ability to create compressed explosives of solar energy/substances. Sub-power of Solar Attacks. Variation of Explosive Generation and Stellar Bomb Generation. Combination of Volatile Constructs and Solar Energy ...

The Cobalt Battery Energy Storage System project will provide 350 MW of battery-stored power to support this growing region, harnessing and storing solar power for Southern California utility ...

where E solar (?) is the spectral solar power (AM 1.5 G), I solar is the total solar power density (1 sun, 1 kW m -2), ?(?) is the emissivity at the wavelength ?, E b (?,T) is the ...

The wikipedia article suggests that to produce 1 gram of cobalt-60 per square kilometer of the earth"s surface, 510 tons of cobalt-60 would be required. To get a sense of scale, a single ...

A nuclear bomb is not necessary to do significant damage to the grid infrastructure. None of the control electronics have any significant hardening to any type of EMP/IEMI. ... A 50kV/m high power ...

The idea of a Cobalt Bomb has been around since the 1950"s, and features prominently in the film Dr. Strangelove. It doesn"t require any special technology to create, it"s basically an ordinary bomb with a Cobalt tamper (a dense layer ...

Low-carbon power generation: solar PV, wind, other renewables and nuclear; ... Cobalt and graphite may see 6- to 30-times higher demand than today depending on the direction of ...

5 ???· To create a cobalt bomb of sufficient power, a large amount of rare and expensive metal elements-uranium, lithium, deuterium, tritium and cobalt-are required. ... but may trigger ...

Cobalt-60 gives 17 watts per gram. A kilogram of Cobalt-60 would give 17 kilowatts per kilogram. The medical isotope industry produces 100 kilowatts of Cobalt-60. USNC needs to mass produce the radioisotopes. The ...

Here, the authors fabricate a cobalt catalyst in which the cobalt is dispersed as single atoms on nitrogen-doped graphene, and report its high activity and stability for water ...

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