

# Design of igniting agent for fusion energy

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Since single-layer graphene has been maintained production to meet the demands of researchers. In recent years, there are enormous discoveries of its character. One of those which has been well-researched is plasmon, which has excitement around the tera-Hz range. This paper introduces two figures which could be a design of ignition agent for fusion energy. The author estimates following two possibilities that lead to fusion igniting at a lower energy than what we consider in today.

- 1) Plasmon at high energy around the ionizing graphene nucleus would cancel the coulomb force of the graphene nucleus.
- 2) The peak of the electric field would be shown as a yellow spot in Fig.1. Ionized fuels would move toward the closest point from both sides.

Fig.1 Three-view drawing of “Nano Sandwich™”, a nano-scale igniting agent - Sandwich in fusion fuels separately between three graphene sheets

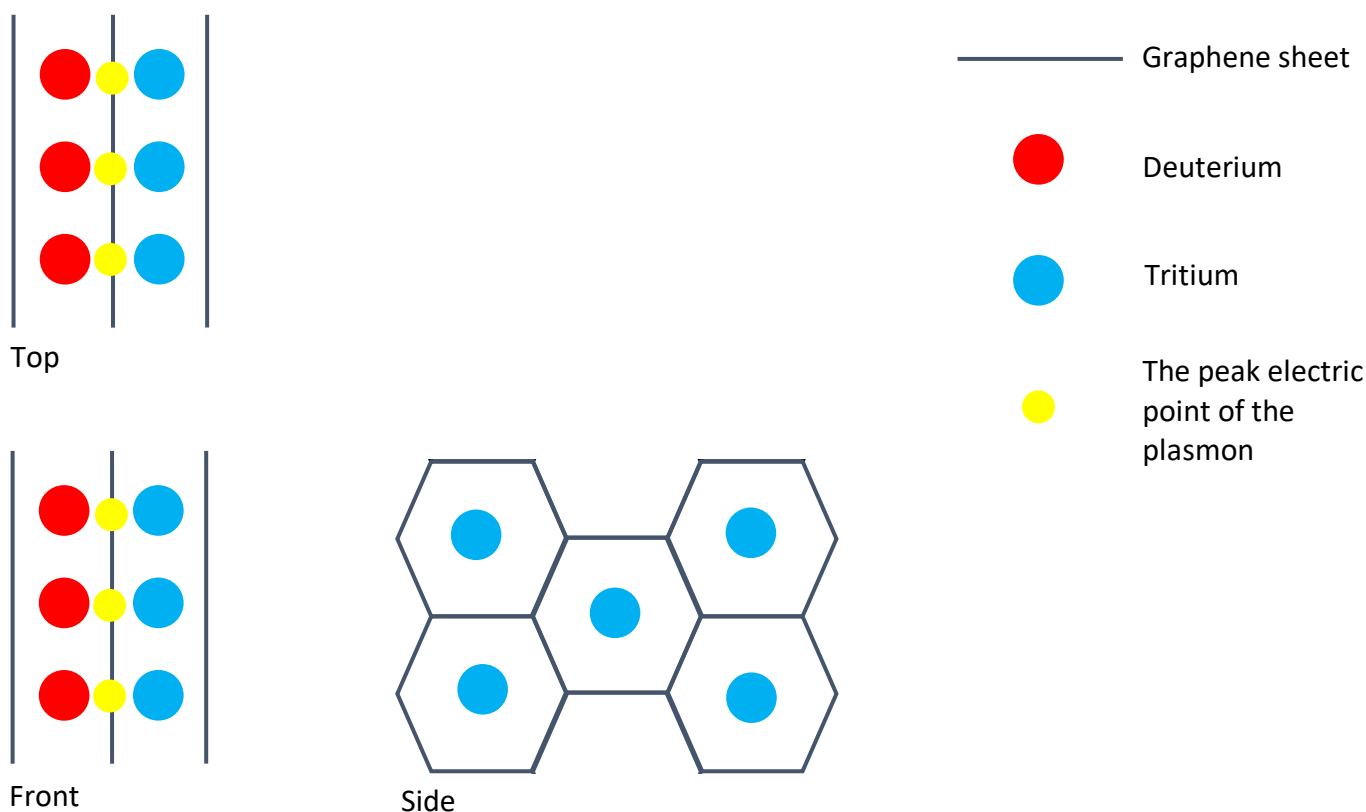
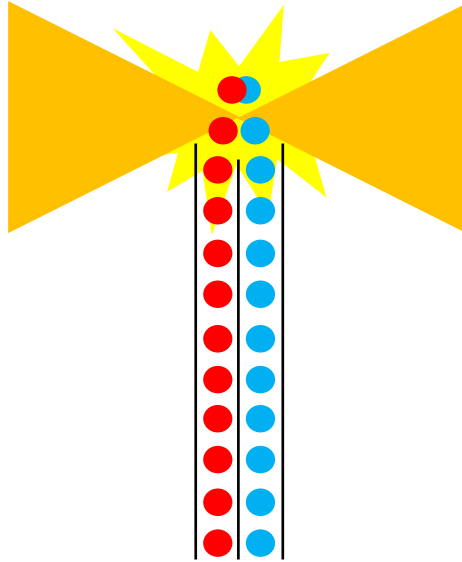


Fig.2 Reactor design - (Nano Hz) Laser pulse from both sides toward a rising incense-like stick of Nano sandwich



Reference: Have We Found a Breakthrough on Potential Catastrophes? by Ryoji Furui (2014)  
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