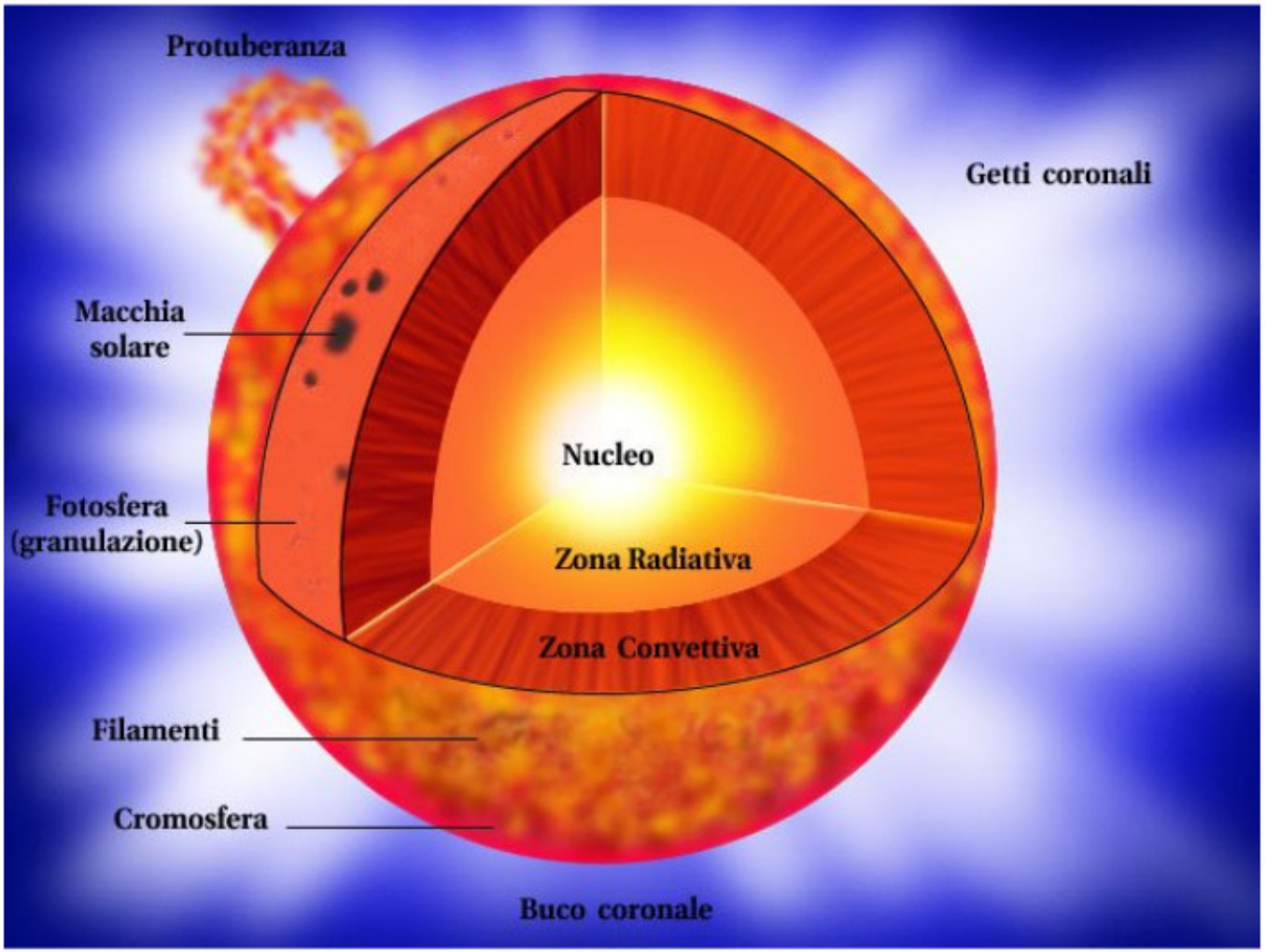
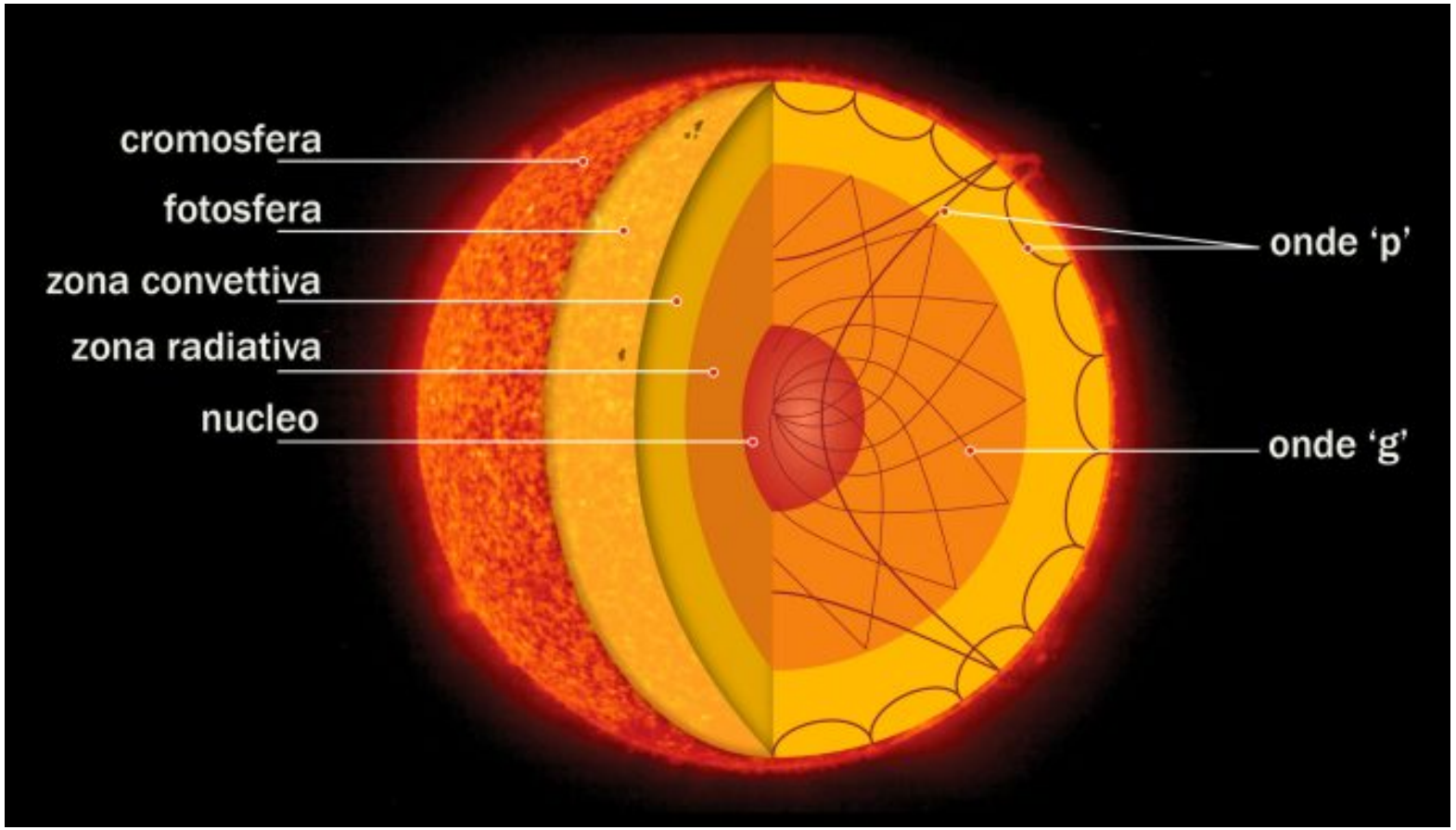
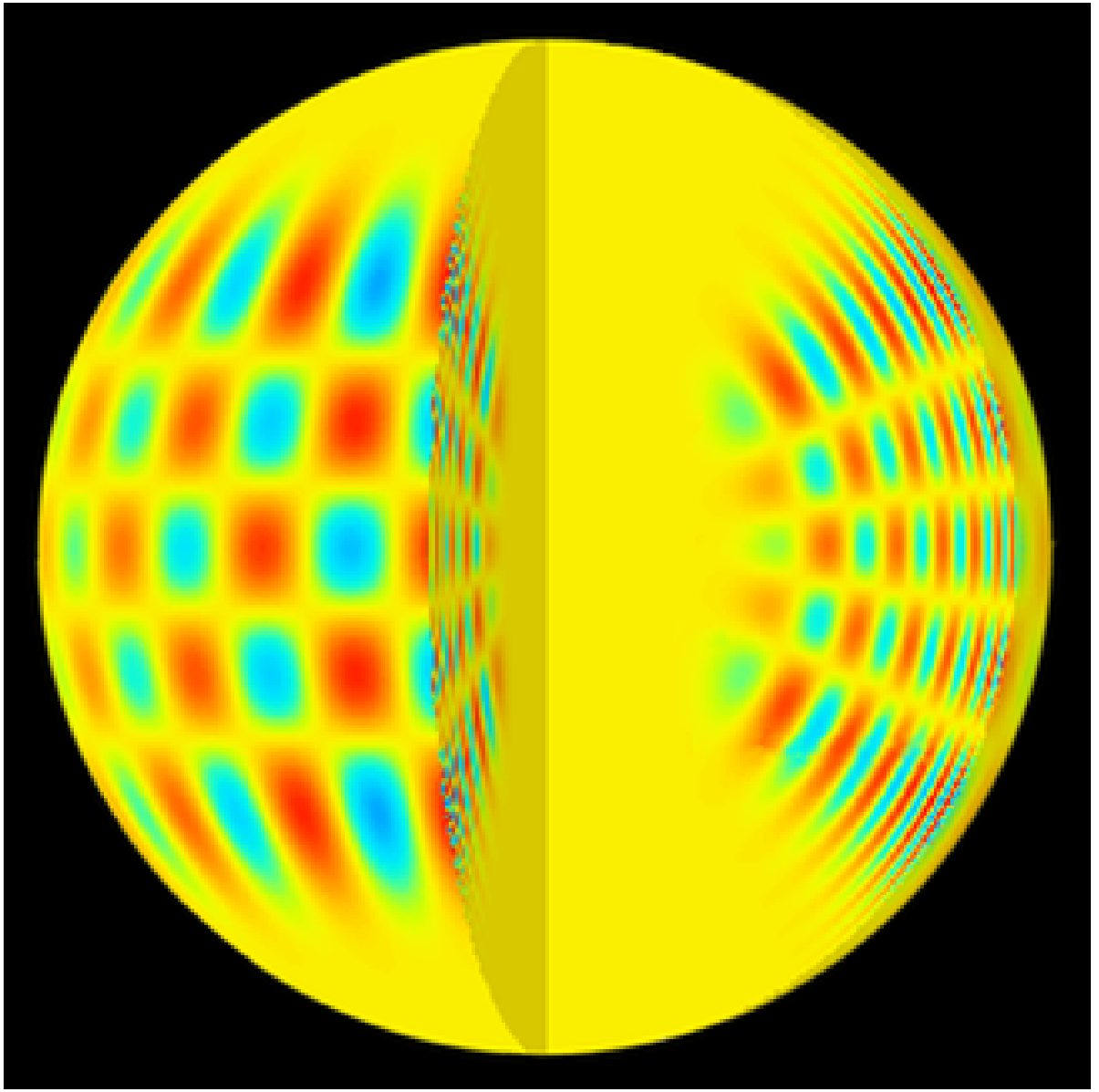
La struttura interna del Sole



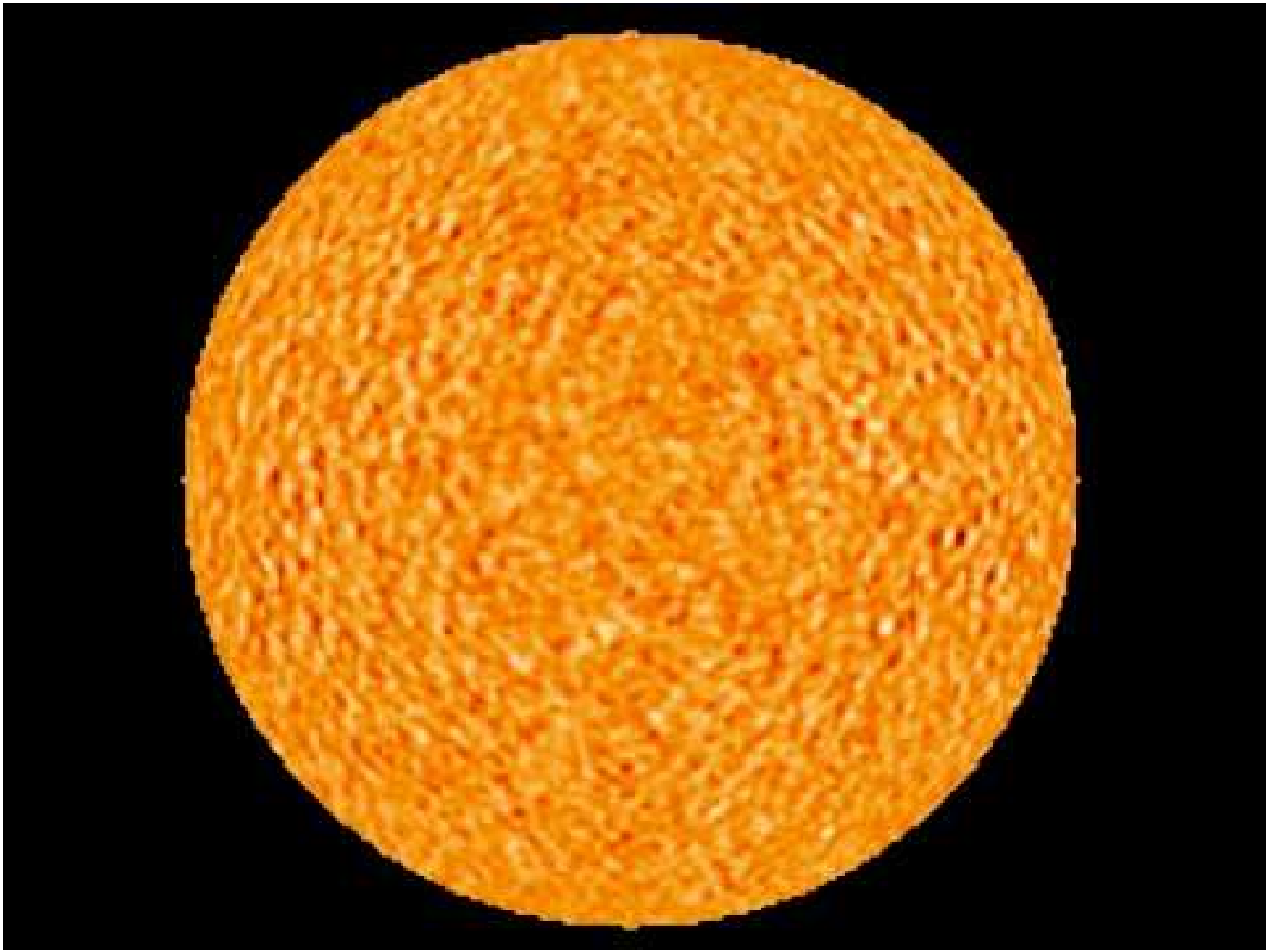
Eliosismologia



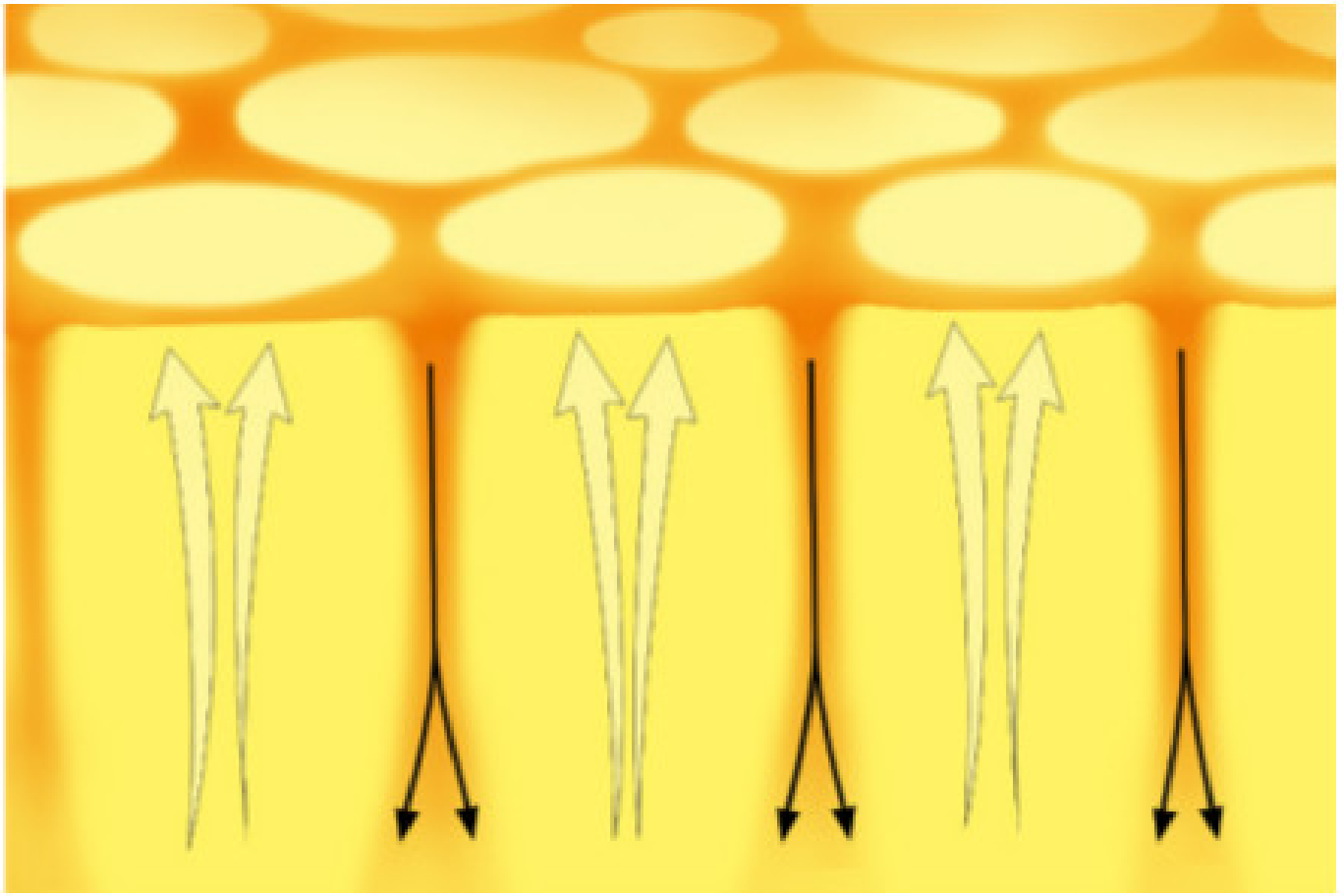
Onde stazionarie



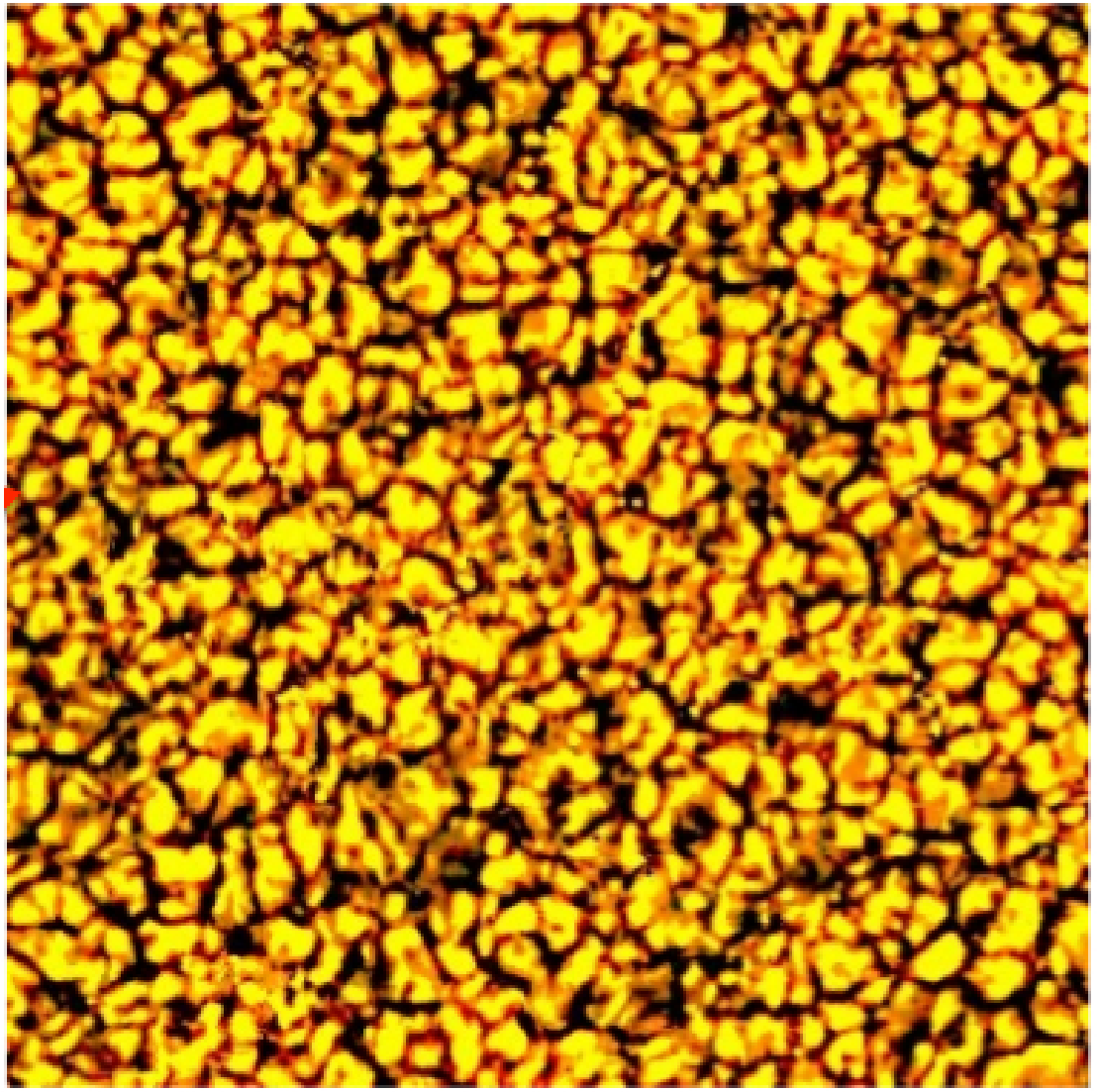
Modi osservati: effetto Doppler



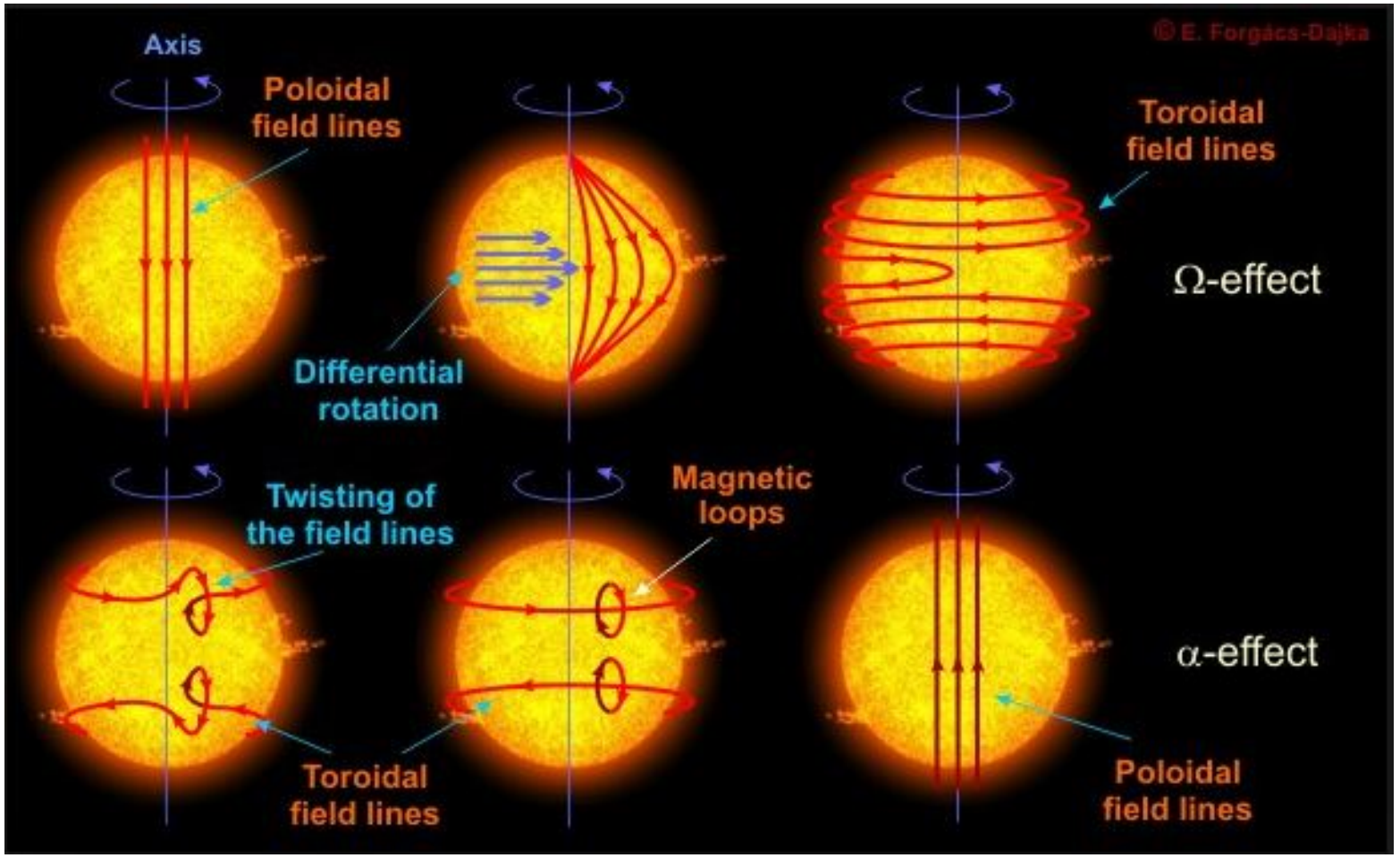
Celle convettive



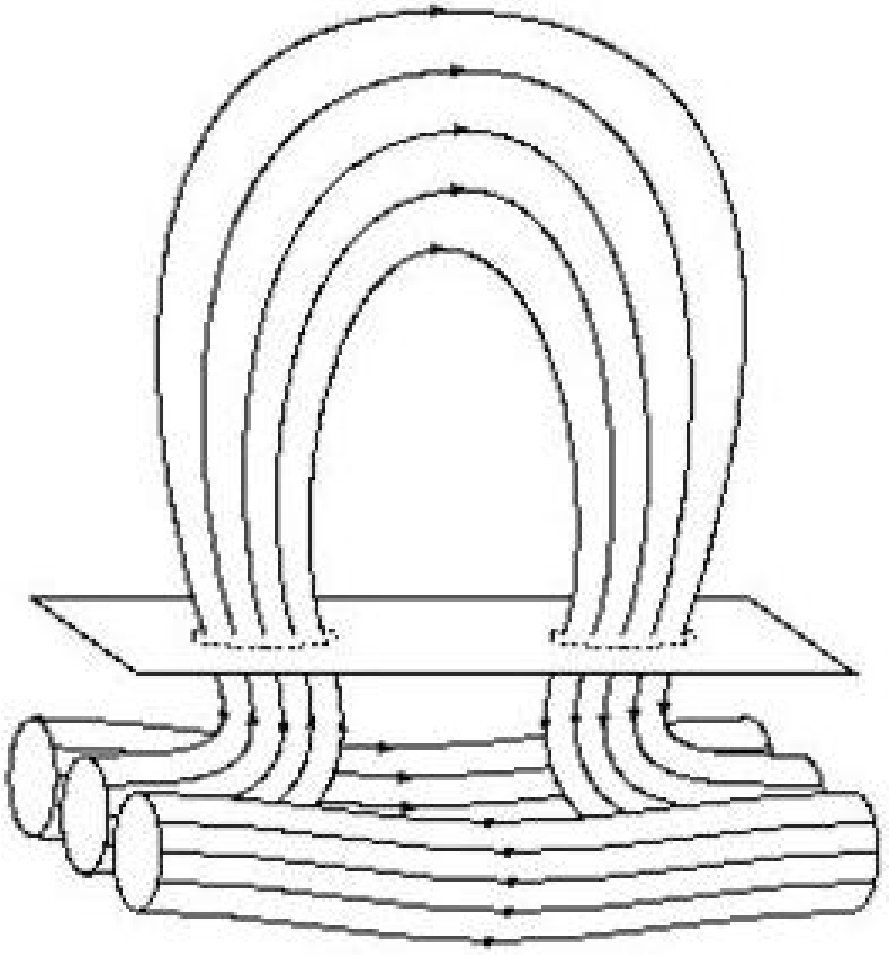
La granulazione



L’effetto dinamo nel Sole

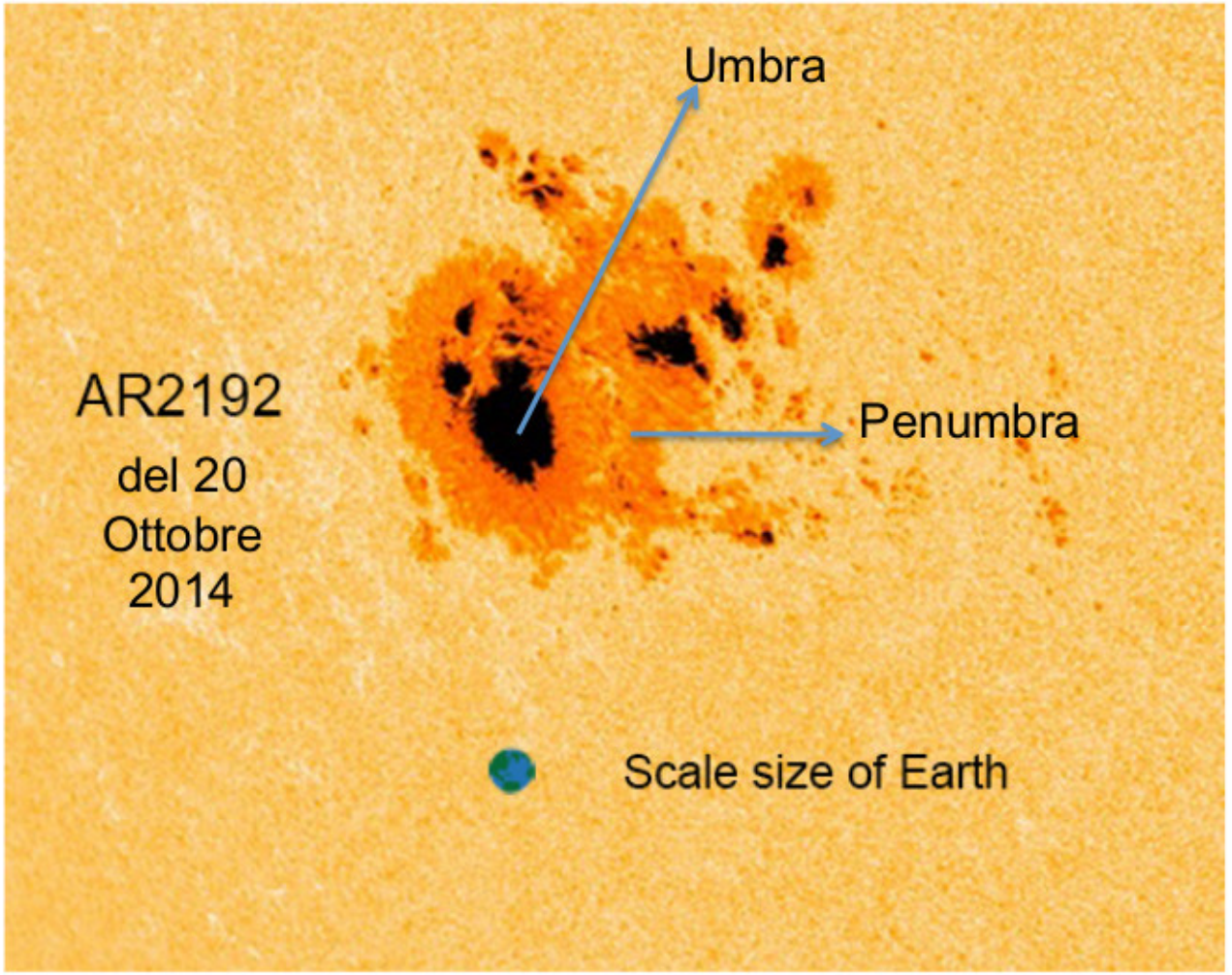


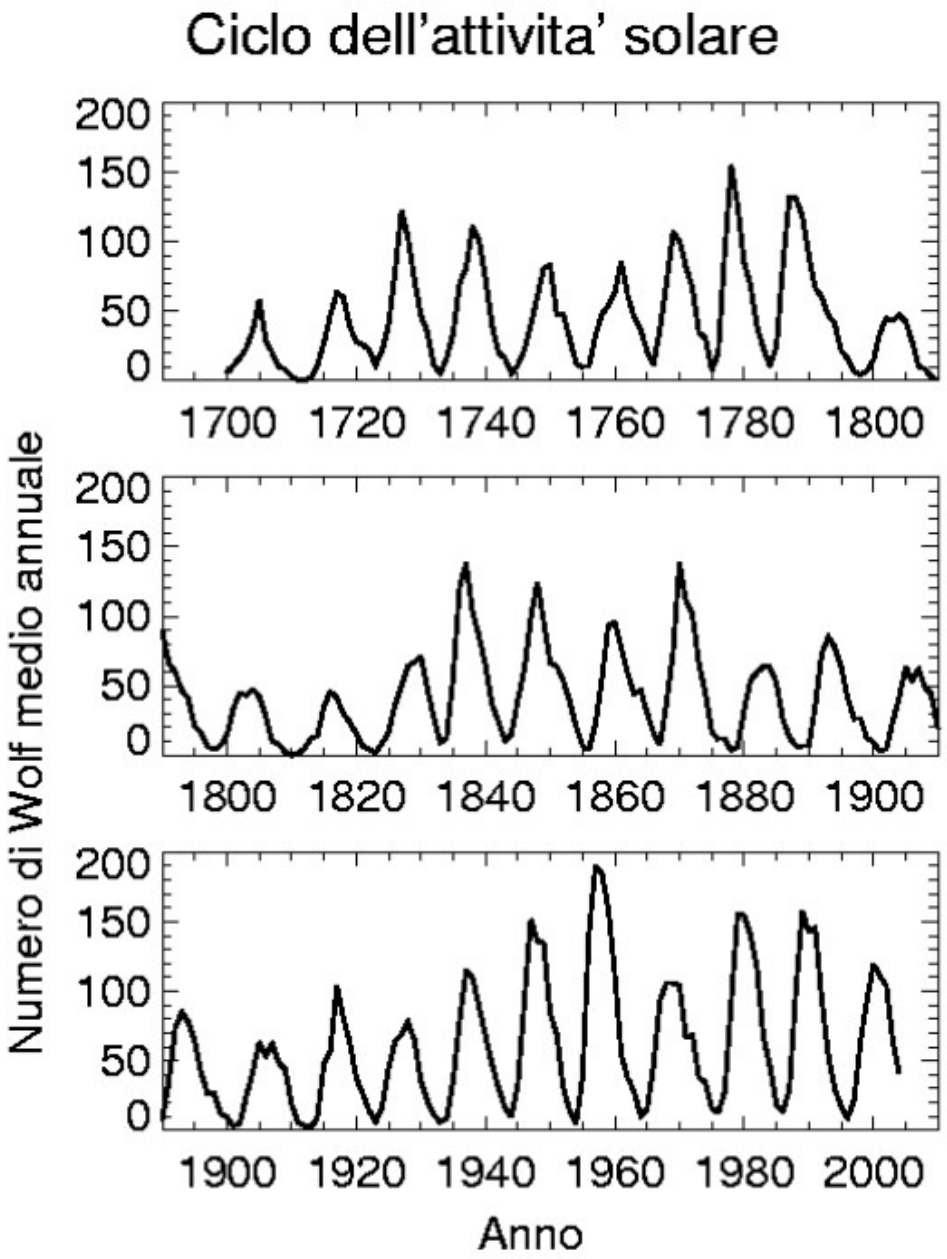
Galleggiamento magnetico



Macchie solari

La struttura delle macchie





Numero di Wolf= k (m+10g)

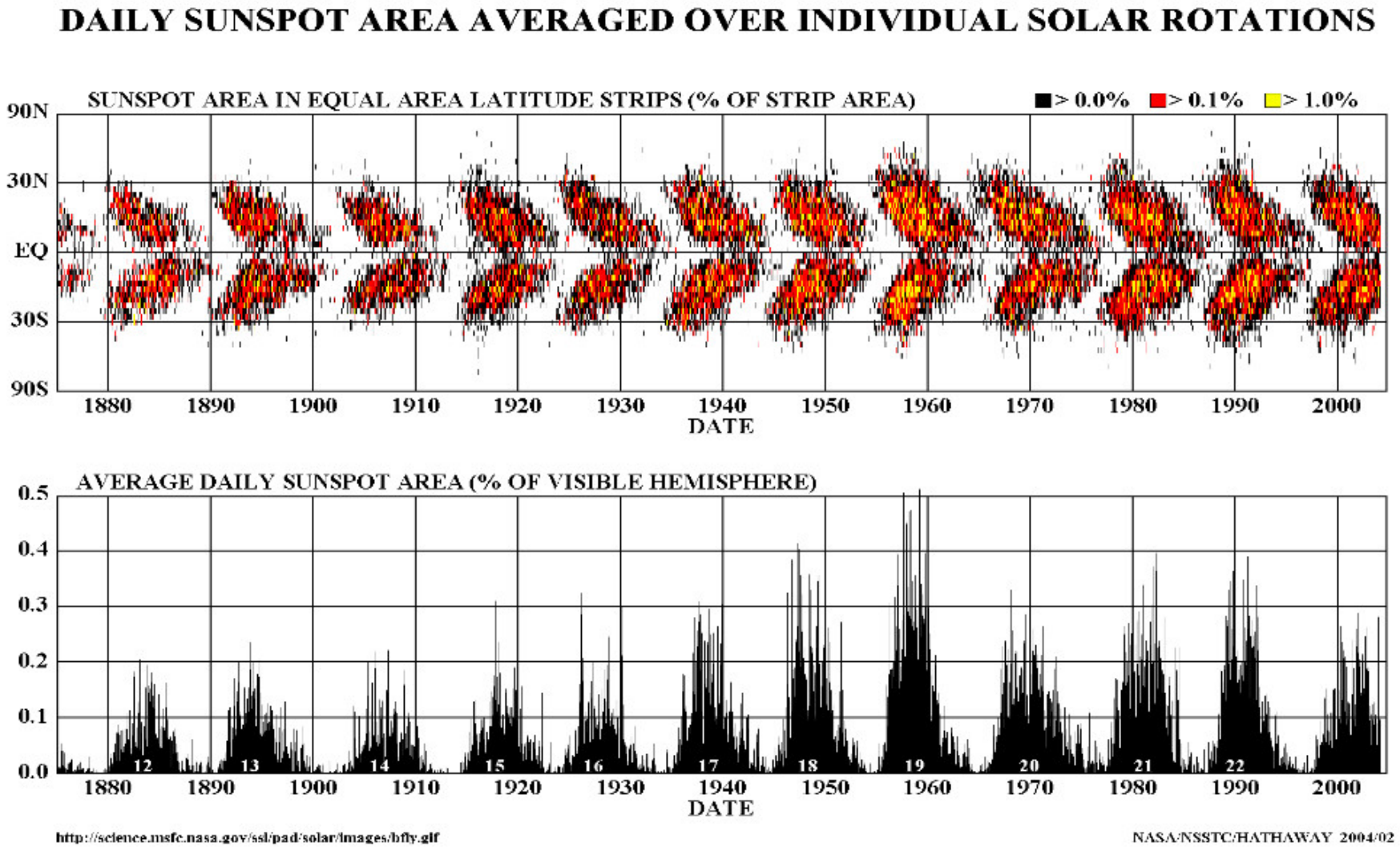
m= # di macchie

g= # di gruppi di macchie

k fattore correttivo

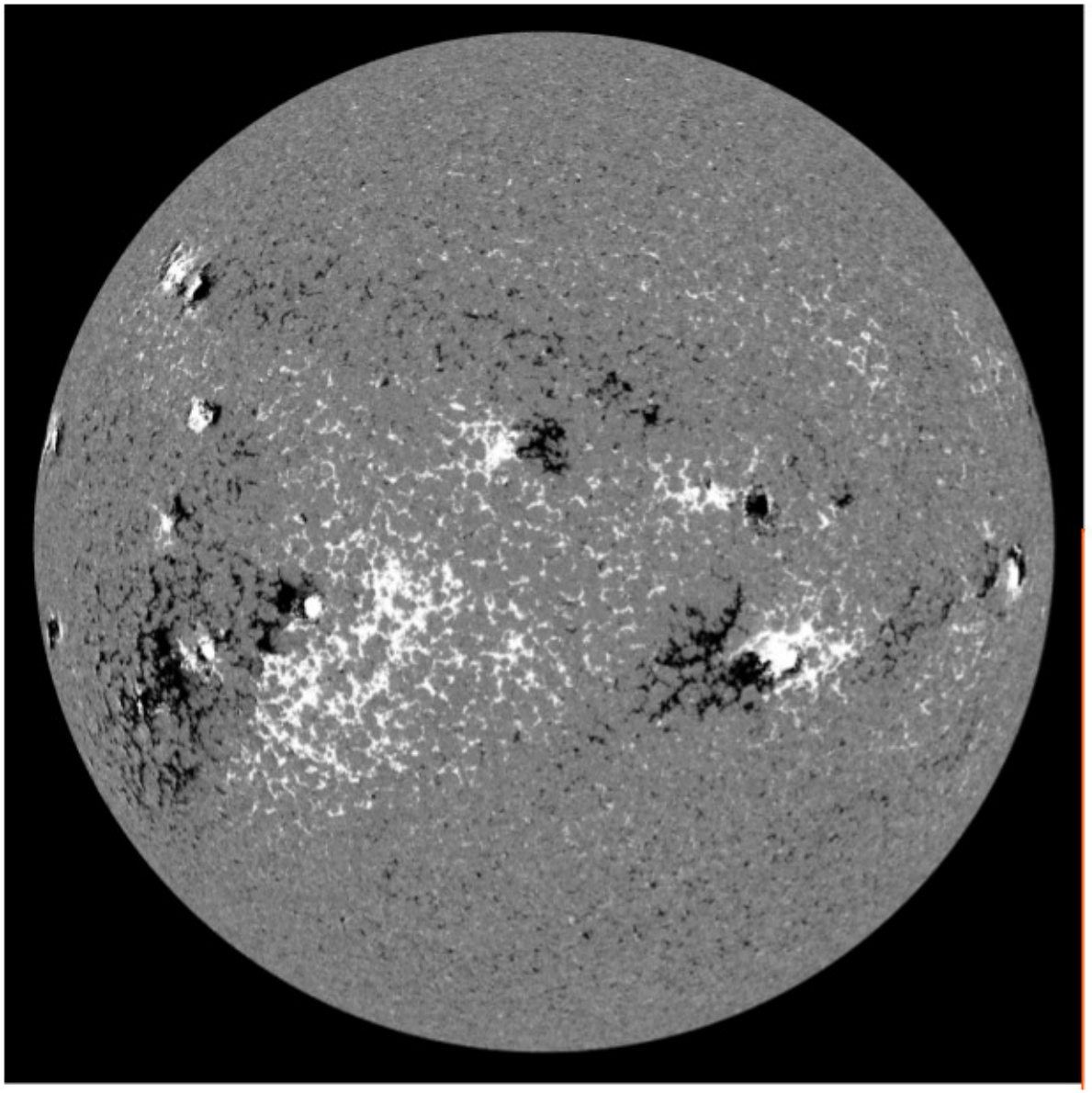
Il periodo che intercorre tra due massimi (o tra due minimi) è di circa **11 anni**

Il diagramma a farfalla

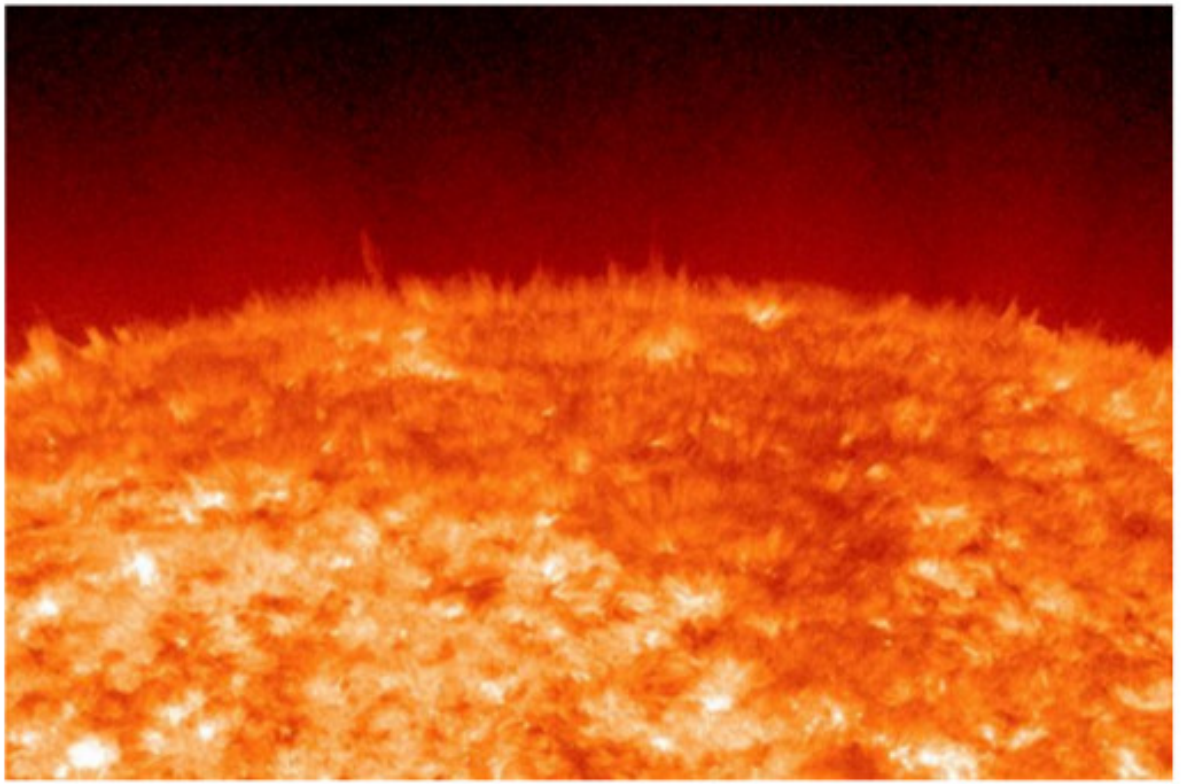


Prima della fase di massima attività le macchie sono a latitudini intermedie (≈ 30°), quindi ‘migrano’ verso la zona equatoriale

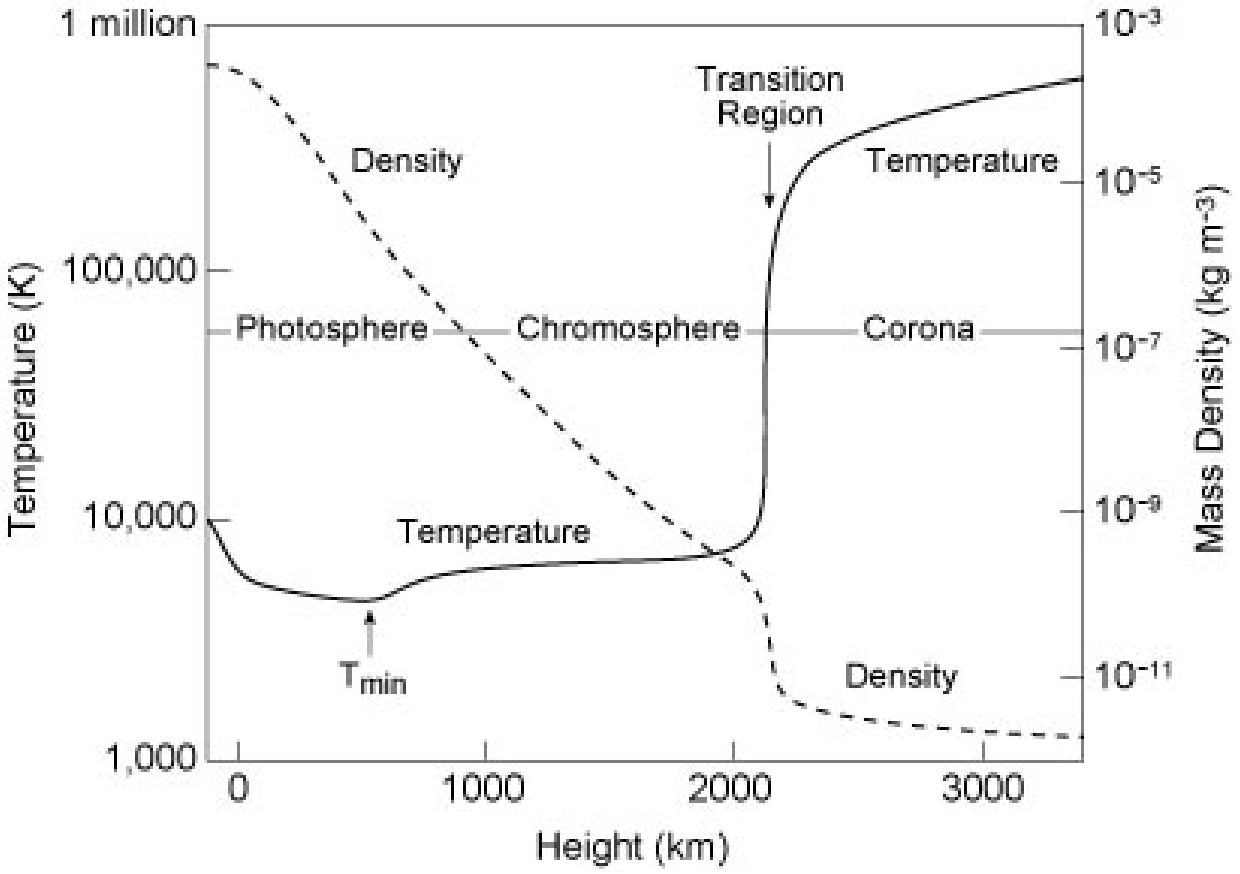
Magnetogramma: effetto Zeeman



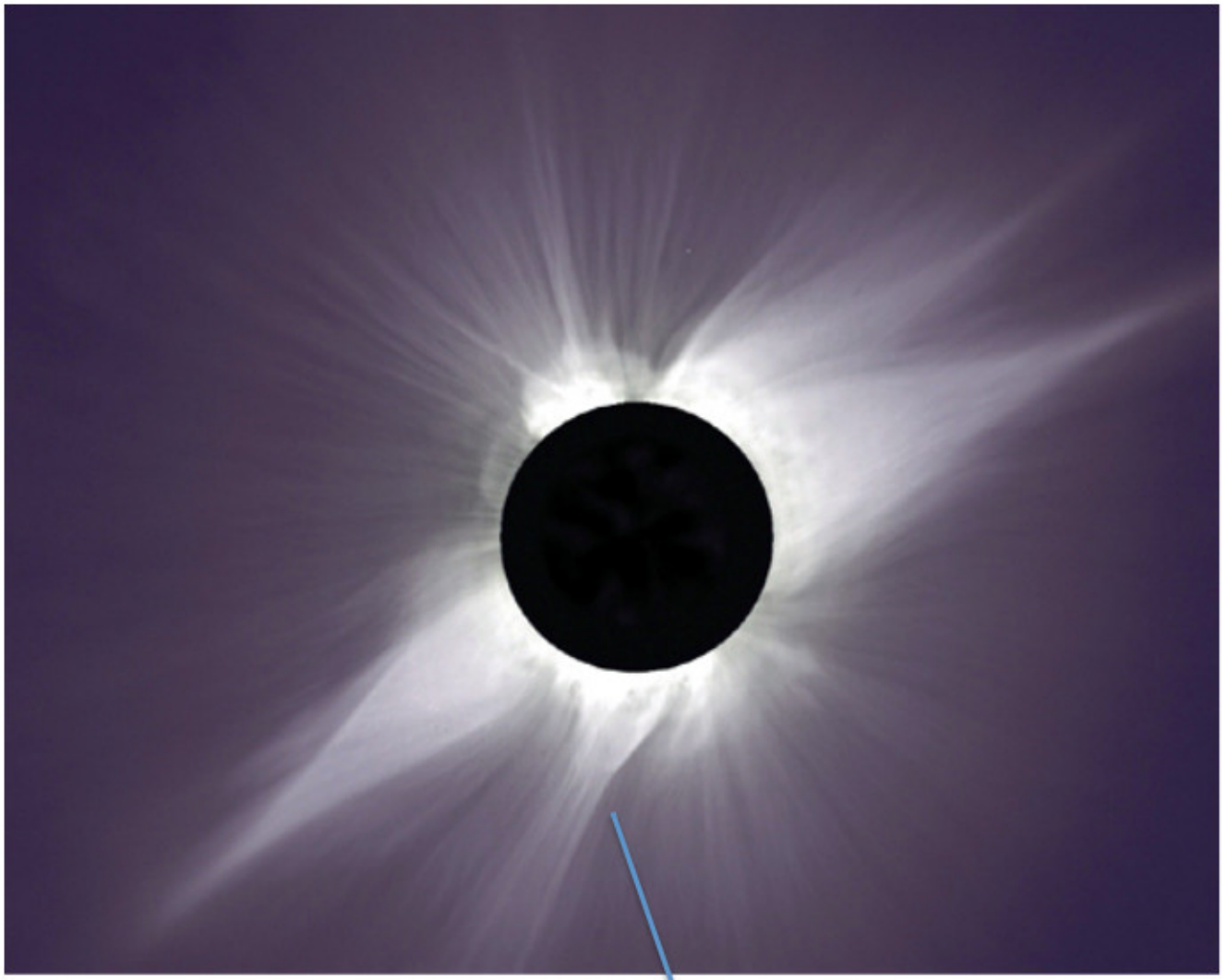
La cromosfera: spicole



La temperatura nell'atmosfera del Sole



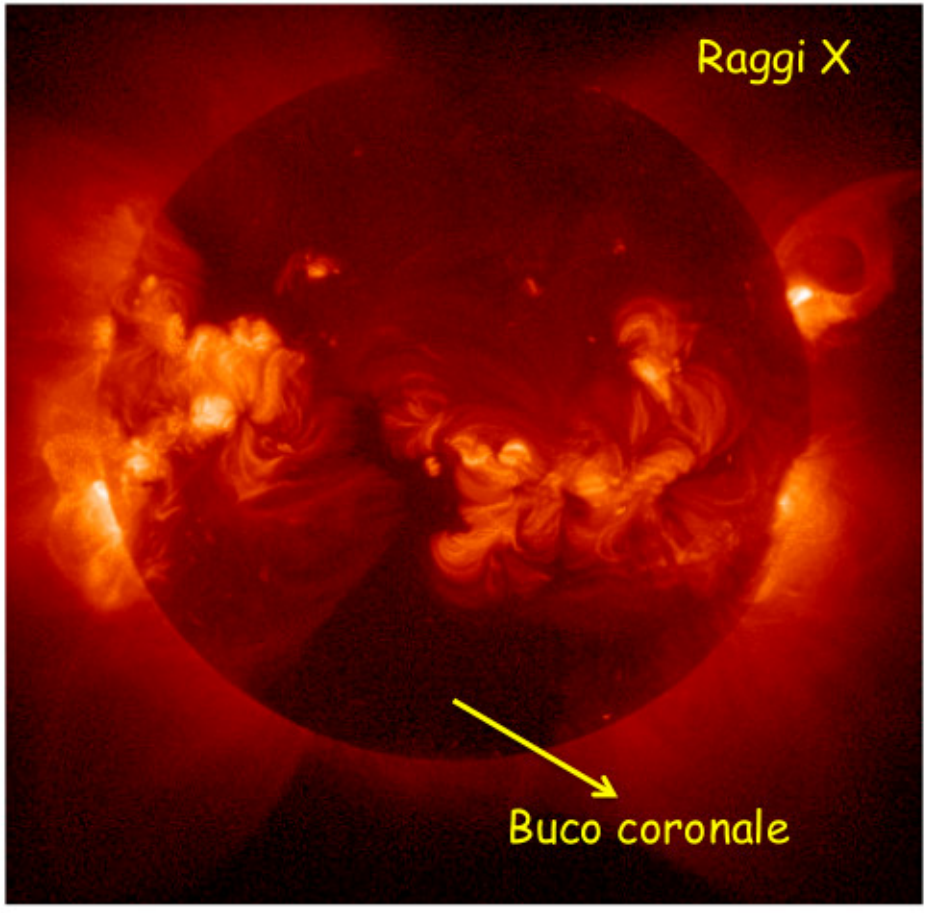
La corona solare



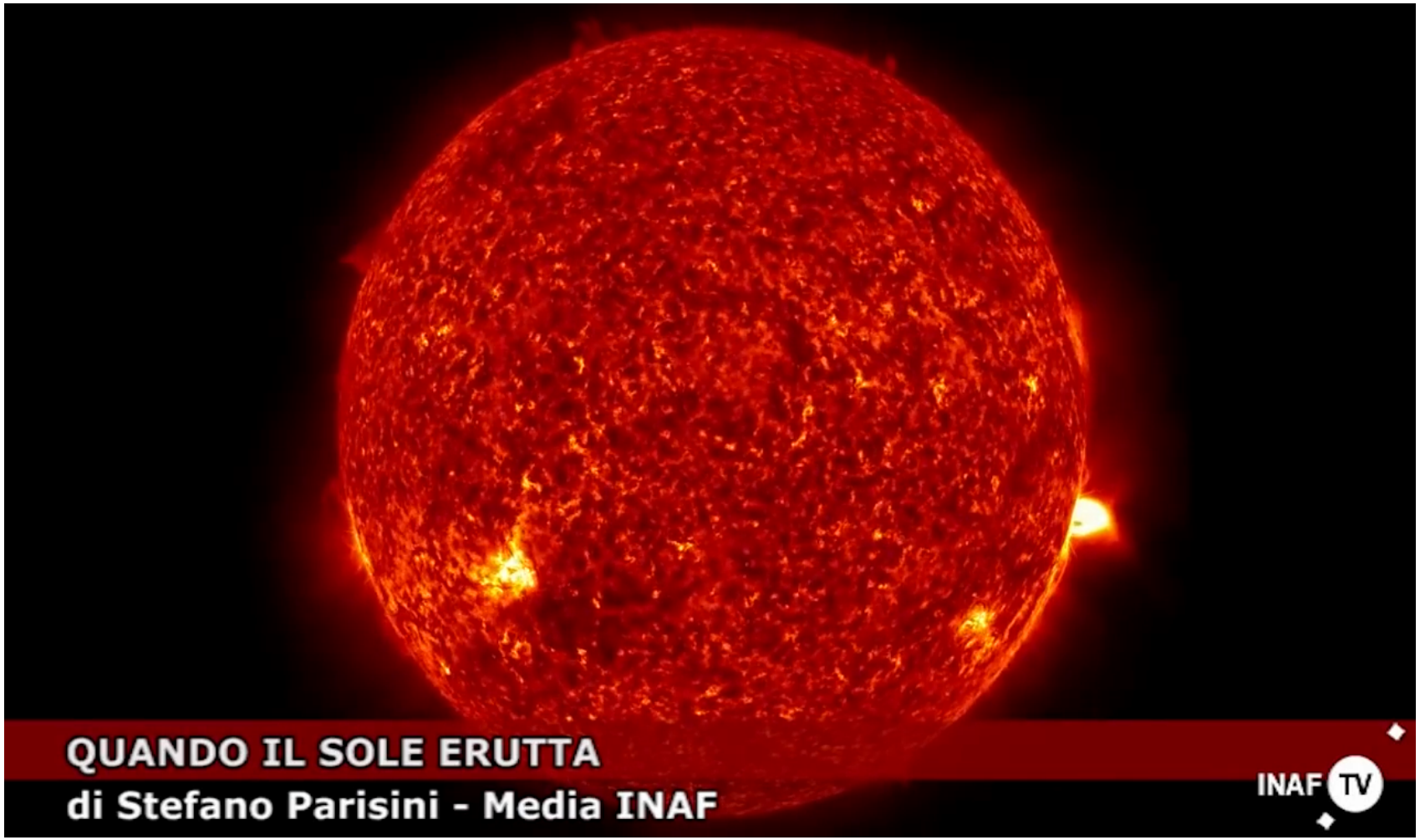
Corona in luce visibile

Archi coronali

La corona nei raggi X



I brillamenti



Coronal mass ejections