

Supporting Information

for

Scattering of NO molecules from a graphite surface: selectivity of the rotational excitation by inelastic collisions

Maria Rutigliano^{*,[a]} and Fernando Pirani^{[b], [c]}

[a] Dr. M. Rutigliano

Istituto per la Scienza e Tecnologia dei Plasmi
CNR(Consiglio Nazionale delle Ricerche)
Via G. Amendola 122/D, 70126 Bari, Italy
E-mail: maria.rutigliano@cnr.it

[b] Prof. F. Pirani

Dipartimento di Chimica, Biologia e Biotecnologie
Università di Perugia
Via Elce di Sotto 8, 06123 Perugia, Italy

[c] Prof. F. Pirani

Dipartimento di Ingegneria Civile ed Ambientale
Università di Perugia
Via G. Duranti 93, 06125 Perugia, Italy

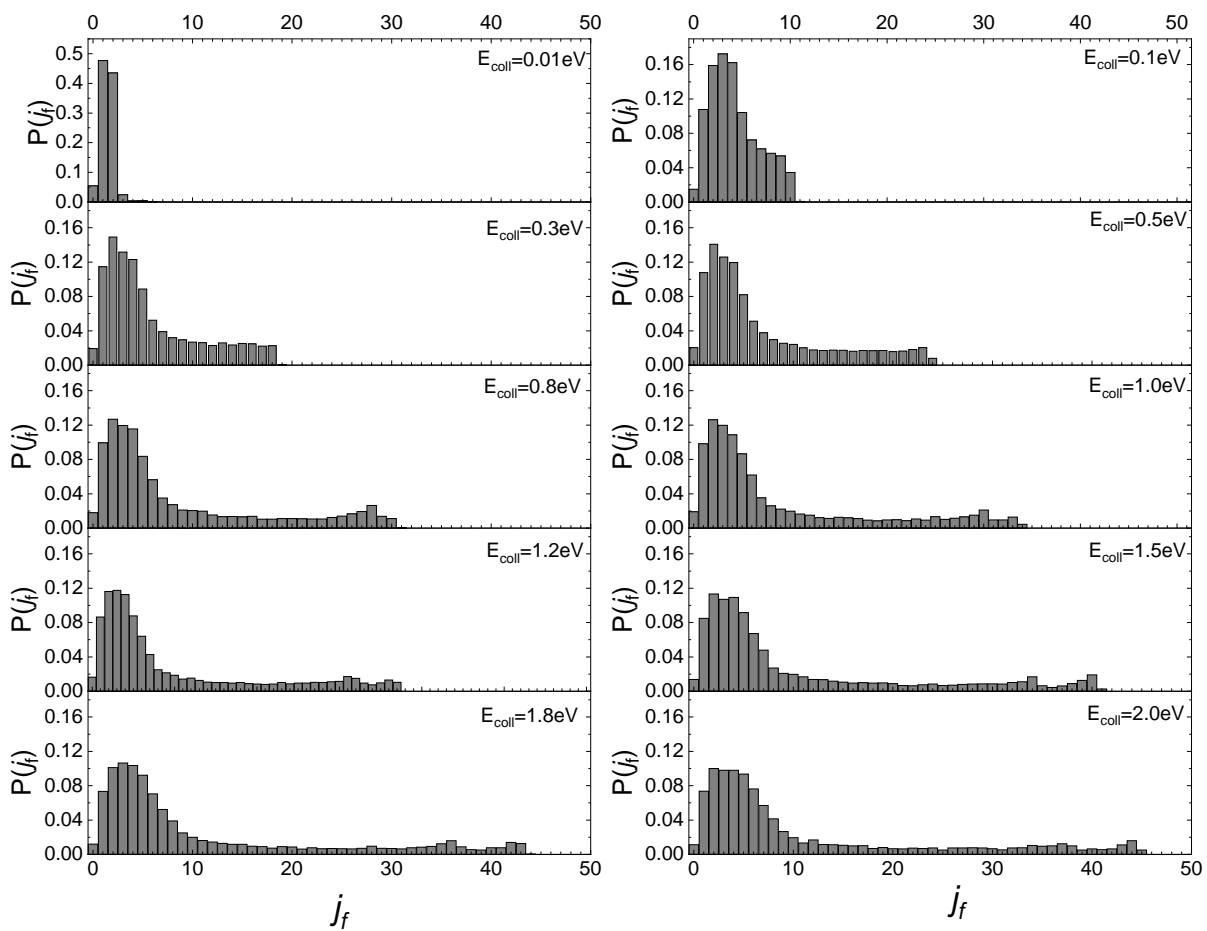


Figure S1: Complete final rotational distributions after the scattering achieved by NO(1,0) impinging on graphite at different collision energies.

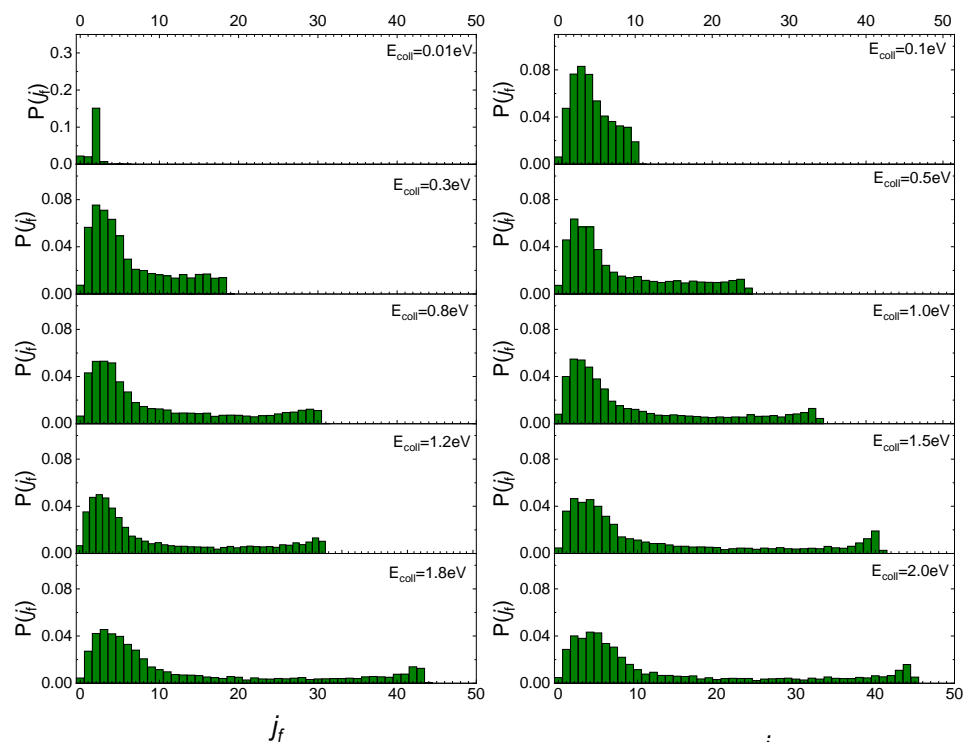


Figure S2: Partial final rotational distributions obtained for NO (1,0) molecules impinging with the N-end toward the surface.

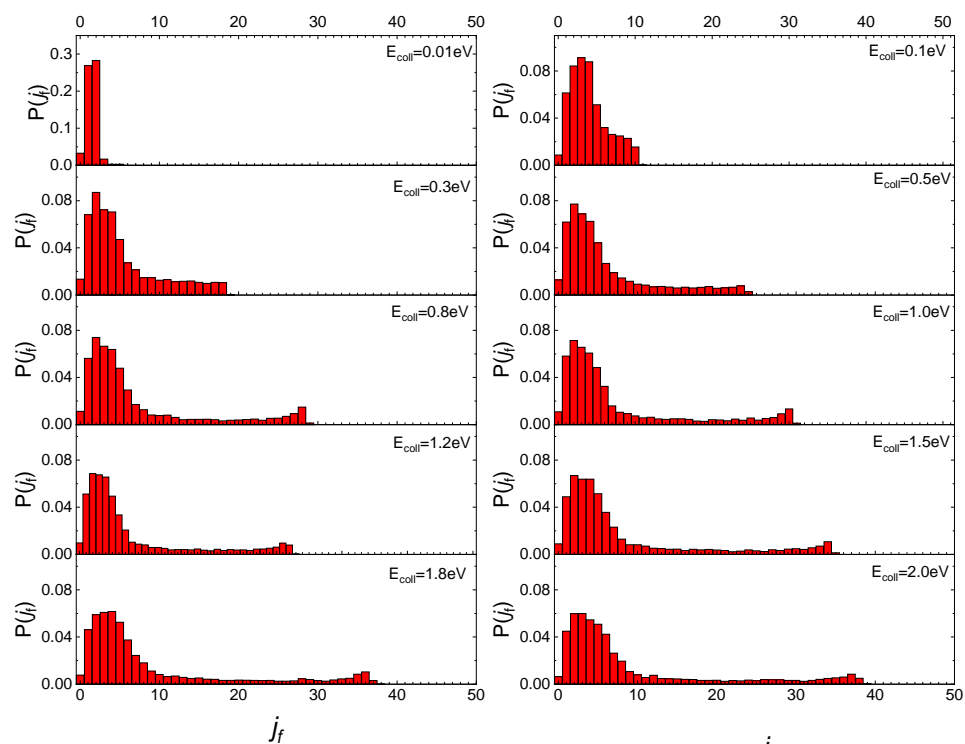


Figure S3: Same as Figure S2 but for NO molecules impinging with the O-end toward the surface.