

## Workshop Schedule

<b>Sunday</b>	<b>October 6th</b>	
08.00pm	<b>Informal welcome dinner: Ristorante-Pizzeria ALLA MOSTRA, Trento</b>	
<b>Monday</b>	<b>October 7th</b>	
09.00am	<b>Arrival and registration</b>	
	Chairperson: Leandro Gasques	
09.30am	Lucio Gialanella (Second University Naples & INFN, IT)	“The determination of the $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ reaction cross section at stellar energies”
10.30am	<b>Coffee</b>	
11.00am	Richard DeBoer (Notre Dame U, USA)	“Status of $^{12}\text{C}+\alpha$ reaction from an R-matrix view”
12.00pm	Carl Brune (Ohio U, USA)	“ $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ : Global analysis and alpha-transfer reactions”
1.00pm	<b>Lunch at ECT*</b>	
	Chairperson: Michael Wiescher	
02.30pm	<b>ECT* Colloquium:</b> <b>Martin Freer (Birmingham U, UK)</b>	<b>“Ashes to Ashes, Dust to Dust: The Story of the Elements”</b>
03.30pm	<b>Coffee</b>	
04.00pm	Joachim Goerres (Notre Dame U, USA)	“Measuring $^{12}\text{C}(p,g)^{13}\text{N}$ : a status report”
05.00pm	Karl Ernst Rehm (ANL, USA)	“Carbon-Carbon fusion reactions in neutron stars”
07.00pm	<b>Dinner at ECT*</b>	
<b>Tuesday</b>	<b>October 8th</b>	
	Chairperson: Hans Feldmeier	
09.30am	Yoshiko Kanada-En'yo (YITP, JP)	“Cluster gas states in $^{11}\text{B}$ , $^{12}\text{C}$ , and $^{16}\text{O}$ , and their rotation”
10.30am	<b>Coffee</b>	
11.00am	Thomas Neff (GSI, GE)	“Microscopic description of alpha-cluster states in $^{12}\text{C}$ ”
12.00pm	Henry Weller (Duke U, USA)	“Two three-alpha structures in $^{12}\text{C}$ ”
01.00pm	<b>Lunch at ECT*</b>	
	Chairperson: Martin Freer	
02.30pm	Oscar Straniero (OA-Teramo, IT)	“The key role of the $^{12}\text{C}+^{12}\text{C}$ reaction for core collapse and thermonuclear supernova progenitors”
03.30pm	<b>Coffee</b>	
04.00pm	Friedrich-K Thielemann (Basel U, CH)	“White dwarf collisions as a possible

		type Ia supernova scenario”
05.00pm	Souichi Ishikawa (Hosei U, JP)	“Low-energy $^{12}\text{C}$ states in three-alpha model and triple-alpha reaction rate”
07.30pm	<b>Dinner at Restaurant LA BARACCA, near the ECT*</b>	
<b>Wednesday</b>	<b>October 9th</b>	
	Chairperson: Gianluca Imbriani	
09:30am	Frank Strieder (Bochum U, GE)	“Experimental results of the $^{12}\text{C}(^{12}\text{C},p)^{23}\text{Na}$ carbon burning reaction at low energies”
10.30am	<b>Coffee</b>	
11.00am	Xiadong Tang (Notre Dame U, USA)	“The $^{12}\text{C}+^{12}\text{C}$ fusion reaction at stellar energies”
12.00pm	Henning Esbensen (ANL, USA)	“Fusion reactions with Carbon isotopes”
01.00pm	<b>Lunch at ECT*</b>	
	Chairperson: Henning Esbensen	
02.30pm	Kouichi Hagino (Tohoku U, JP)	“Fusion oscillations in C+C systems: a comparison among $^{12}\text{C}+^{12}\text{C}$ , $^{13}\text{C}+^{13}\text{C}$ , and $^{12}\text{C}+^{13}\text{C}$ ”
03.30pm	<b>Coffee</b>	
04.00pm	Neil Rowley (IPHC-Orsay, FR)	“Fusion oscillations for $^{12}\text{C}+^{12}\text{C}$ : single barrier and coupled-channels effects”
05.00pm	Alexis Diaz-Torres (ECT*, IT)	“Quantifying the $^{12}\text{C}+^{12}\text{C}$ sub-Coulomb fusion with the time-dependent wave-packet dynamics”
08.00pm	<b>Dinner at Hotel America, Trento</b>	
<b>Thursday</b>	<b>October 10th</b>	
	Chairperson: Neil Rowley	
09.30am	Vazgen Sargasyan (Dubna, RUS)	“Quantum diffusion approach to sub-Coulomb fusion of light nuclei”
10.30am	<b>Coffee</b>	
11.00am	Eli F Aguilera (ININ, MEX)	“Comparison of near-barrier fusion for systems of astrophysical interest”
12.00pm	Sandrine Courtin (IPHC-Strasbourg, FR)	“The resonant $^{12}\text{C}(^{12}\text{C},\gamma)^{24}\text{Mg}$ and $^{12}\text{C}(^{16}\text{O},\gamma)^{28}\text{Si}$ heavy-ion radiative capture reactions at low energies”
01.00pm	<b>Lunch at ECT*</b>	
02.30pm	<b>Afternoon for Discussions and Collaborations</b>	
08.00pm	<b>Workshop Dinner at Restaurant ORSO GRIGIO, Trento</b>	