

**ISTITUTO NAZIONALE DI FISICA NUCLEARE  
LABORATORI NAZIONALI DI LEGNARO**

**7 MV Van de Graaff CN Accelerator**

**Beam Time Schedule**  
from May 1st, 2005 to June 30, 2005

Date	Experiment	Spokesperson	Ion	Energy (MeV)	Beam / target	Current (nA)	Channel
<b>MAY</b>							
<b>1</b>							
<b>2</b>	<b>RAD PROT</b>	Zafiroopoulos					
<b>3</b>	<b>MONDOTE R</b>	Agosteo	$^1\text{H}^+$	3-5	$\text{C}/^7\text{LiF}^*$	500	+ 0°
<b>4</b>	“	“					
<b>5</b>	“	“					
<b>6</b>	“	“					
<b>7</b>							
<b>8</b>							
<b>9</b>	<b>MN Rome</b>	Tanzarella	$^1\text{H}^+$ $^2\text{H}^+$	3-7 3-7	Cont	< 10	+45°
<b>10</b>	<b>PDSI</b>	Berti	$^4\text{He}^+$ $^2\text{H}^+$	2.5-3.5 1.2	$\text{C}/\text{InGaAsN}$	200	- 15°
<b>11</b>	“						
<b>12</b>	<b>OXIDE-RBS</b>	Davidson	$^4\text{He}^{+,++}$	2-9	Cont	100	-15°
<b>13</b>	<b>RADNA-M</b>	Cherubini	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>14</b>							
<b>15</b>							
<b>16</b>	<b>MONDOTE R</b>	Agosteo	$^1\text{H}^+$	3-5	$\text{C}/^7\text{LiF}^*$	500	+ 0°
<b>17</b>	“						
<b>18</b>	“						
<b>19</b>	<b>NASTRI</b>	Mezzetti	$^1\text{H}^+$	3.5-6.5	$\text{C}/\text{YBCO}$	< 50	0°
<b>20</b>	“						
<b>21</b>							

<b>22</b>							
<b>23</b>	<b>RADNA-M</b>	<b>Cherubini</b>	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>24</b>	<b>RADNA-T</b>	<b>Cherubini</b>	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>25</b>	“						
<b>26</b>	“						
<b>27</b>	“						
<b>28</b>							
<b>29</b>							
<b>30</b>	<b>RADNA-M</b>	<b>Cherubini</b>	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>31</b>	<b>DNA breaks</b>	<b>Belli</b>	$^1\text{H}^+$	2-6.5	Cont	< 10	+ 45°
<b>JUNE</b>							
<b>1</b>	<b>RADNA-M</b>	<b>Cherubini</b>	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>2</b>							
<b>3</b>	<b>CN</b>	<b>Contran</b>					
<b>4</b>							
<b>5</b>							
<b>6</b>	<b>CN</b>	<b>Contran</b>					
<b>7</b>	<b>VERMI</b>	<b>Zafiropoulos</b>	$^1\text{H}^+$ $^2\text{H}^+$	3-7 3-7	C/LiF, Deut.	500 100	+30° 0°
<b>8</b>	“	“					
<b>9</b>	“	“					
<b>10</b>	<b>RADNA-M</b>	<b>Cherubini</b>	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>11</b>							
<b>12</b>							
<b>13</b>							
<b>14</b>	<b>CN</b>	<b>Contran</b>					

<b>15</b>	<b>PDSI</b>	Berti	$^4\text{He}^+$ $^2\text{H}^+$	2.5-3.5 1.2	C/InGaAsN	200	- 15°
<b>16</b>	“						
<b>17</b>	<b>OXIDE-RBS</b>	Davidson	$^4\text{He}^{+,++}$	2-9	Cont	100	-15°
<b>18</b>							
<b>19</b>							
<b>20</b>	<b>RADNA-M</b>	Cherubini	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>21</b>	<b>RADNA-T</b>	Cherubini	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>22</b>	“						
<b>23</b>	“						
<b>24</b>	“						
<b>25</b>							
<b>26</b>							
<b>27</b>	<b>MN Rome</b>	Tanzarella	$^1\text{H}^+$ $^2\text{H}^+$	3-7 3-7	Cont	< 10	+45°
<b>28</b>	<b>RADNA-M</b>	Cherubini	$^4\text{He}^{++}$ $^3\text{He}^{++}$ $^1\text{H}^+$	5-14 5-14 3-6	Cont	< 10	+ 45°
<b>29</b>	<b>VERMI</b>	Zafiropoulos	$^1\text{H}^+$ $^2\text{H}^+$	3-7 3-7	C/LiF, Deut.	500 100	+30° 0°
<b>30</b>	“	“					

\*  $^7\text{LiF}$  spessore  $\leq 1 \text{ mg/cm}^2$

^ sorgente senza schermatura locale

\*\* Bersaglio infinito

° 1.5 Ci